

Data File : VU033195.D
Acq On : 11 Jul 2019 16:26
Operator : JC/SP
Sample : VSTDIC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Quant Time: Jul 12 04:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 04:10:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	29822	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	10358	0.88	ug/l	0.00
Spiked Amount	1.000		Recovery	=	88.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11534	0.95	ug/l	0.00
Spiked Amount	1.000		Recovery	=	95.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6411	0.517 ug/l	98
3) Chloromethane	1.32	50	7618	0.539 ug/l	94
4) Vinyl Chloride	1.40	62	7802	0.520 ug/l	99
5) Bromomethane	1.62	94	5518	0.661 ug/l	100
6) Chloroethane	1.69	64	4780	0.508 ug/l	100
7) Trichlorofluoromethane	1.88	101	10138	0.499 ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5457	0.532 ug/l	95
9) 1,1-Dichloroethene	2.27	96	5670	0.545 ug/l	98
10) Iodomethane	2.40	142	4287	0.308 ug/l	99
11) Allyl Chloride	2.58	41	8946	0.499 ug/l	90
12) Acrylonitrile	2.92	53	2790	0.962 ug/l #	82
13) Acetone	2.31	43	7826	3.051 ug/l	96
14) Carbon Disulfide	2.46	76	20074	0.521 ug/l	99
15) Methylene Chloride	2.68	84	8746	0.652 ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	6340	0.530 ug/l	95
17) 1,1-Dichloroethane	3.42	63	8771	0.498 ug/l	100
18) 2-Butanone	4.26	43	6472	2.815 ug/l	93
19) Cyclohexane	4.96	56	5544	0.417 ug/l	90
20) Methylcyclohexane	6.39	83	6286	0.477 ug/l	93
21) 2,2-Dichloropropane	4.20	77	7579	0.493 ug/l	95
22) cis-1,2-Dichloroethene	4.20	96	4801	0.492 ug/l	95
23) Diethyl Ether	2.09	59	4985	0.567 ug/l	93
24) tert-Butyl Alcohol	2.82	59	5958	5.326 ug/l #	82
25) Methyl tert-Butyl Ether	2.98	73	15455	0.521 ug/l	93
26) Bromochloromethane	4.52	128	2214	0.509 ug/l	98
27) Chloroform	4.65	83	10895	0.554 ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	7717	0.501 ug/l	98
29) 1,1-Dichloropropene	5.11	75	6098	0.478 ug/l	98
30) Carbon Tetrachloride	5.11	117	6833	0.496 ug/l	92
31) Isopropyl Ether	3.56	45	11383	0.489 ug/l	89
32) Ethyl-t-butyl ether	4.05	59	10826	0.488 ug/l	100
33) Tert-Amyl methyl ether	5.56	73	9390	0.470 ug/l	98
34) Propionitrile	4.33	54	1640	2.464 ug/l #	90
35) Benzene	5.36	78	18306	0.494 ug/l	100
36) 1,2-Dichloroethane	5.39	62	6173	0.516 ug/l	95
37) Trichloroethene	6.17	130	4815	0.503 ug/l	88
38) 1,2-Dichloropropane	6.41	63	4987	0.489 ug/l	96
39) Methacrylonitrile	4.54	41	1516	0.549 ug/l #	88
40) Methyl acrylate	4.41	55	937	0.225 ug/l #	76
41) Tetrahydrofuran	4.64	42	1509	1.071 ug/l #	88
42) 1-Chlorobutane	5.04	56	8293	0.479 ug/l	97

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ClientSampleId :
VSTDIC0.5

Quant Time: Jul 12 04:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 04:10:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	2610	0.487	ug/l	95
44) Bromodichloromethane	6.74	83	6796	0.510	ug/l	96
45) 4-Methyl-2-Pentanone	7.45	43	13713	2.414	ug/l	97
46) t-1,4-Dichloro-2-butene	10.48	75	6073	2.368	ug/l #	51
47) Methyl methacrylate	6.61	69	3592	0.864	ug/l	98
48) Ethyl methacrylate	8.01	69	3446	0.448	ug/l	99
49) Toluene	7.62	92	9789	0.448	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	5320	0.463	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	6199	0.458	ug/l	95
52) 1,1,2-Trichloroethane	8.05	97	3515	0.476	ug/l	93
53) 1,3-Dichloropropane	8.22	76	5925	0.478	ug/l	97
54) 2-Hexanone	8.35	43	9125	2.358	ug/l	94
55) Dibromochloromethane	8.46	129	4036	0.468	ug/l	97
56) 1,2-Dibromoethane	8.57	107	3157	0.468	ug/l	96
58) Tetrachloroethene	8.21	164	4300	0.491	ug/l	94
59) Chlorobenzene	9.10	112	11309	0.465	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	4461	0.479	ug/l	93
61) Pentachloroethane	11.09	117	3148	0.416	ug/l	96
62) Hexachloroethane	12.13	117	3095	0.426	ug/l	97
63) Ethyl Benzene	9.23	91	17135	0.428	ug/l	96
64) m/p-Xylenes	9.36	106	12731	0.816	ug/l	94
65) o-Xylene	9.76	106	6252	0.417	ug/l	97
66) Styrene	9.77	104	10152	0.402	ug/l	96
67) Bromoform	9.94	173	2311	0.490	ug/l #	96
69) Isopropylbenzene	10.15	105	15750	0.403	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	5062	0.518	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	6073	0.864	ug/l	79
72) Bromobenzene	10.43	156	4341	0.435	ug/l	92
73) n-propylbenzene	10.57	120	4121	0.379	ug/l	82
74) 2-Chlorotoluene	10.64	126	4285	0.431	ug/l	90
75) 1,3,5-Trimethylbenzene	10.76	105	12588	0.363	ug/l	95
76) 4-Chlorotoluene	10.76	126	4082	0.391	ug/l	92
77) tert-Butylbenzene	11.08	119	13305	0.403	ug/l	92
78) 1,2,4-Trimethylbenzene	11.13	105	12948	0.369	ug/l	99
79) sec-Butylbenzene	11.31	105	18237	0.404	ug/l	97
80) Nitrobenzene	12.86	77	460	1.904	ug/l #	54
81) p-Isopropyltoluene	11.46	119	13902	0.382	ug/l	95
82) 1,3-Dichlorobenzene	11.40	146	9523	0.454	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	9412	0.455	ug/l	92
84) n-Butylbenzene	11.87	91	14948	0.421	ug/l	95
85) 1,2-Dichlorobenzene	11.86	146	9220	0.475	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	731	0.485	ug/l #	87
87) 1,2,4-Trichlorobenzene	13.49	180	5090	0.476	ug/l	95
88) Hexachlorobutadiene	13.68	225	3434	0.495	ug/l	93
89) Naphthalene	13.73	128	8580	0.478	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	5038	0.484	ug/l	97

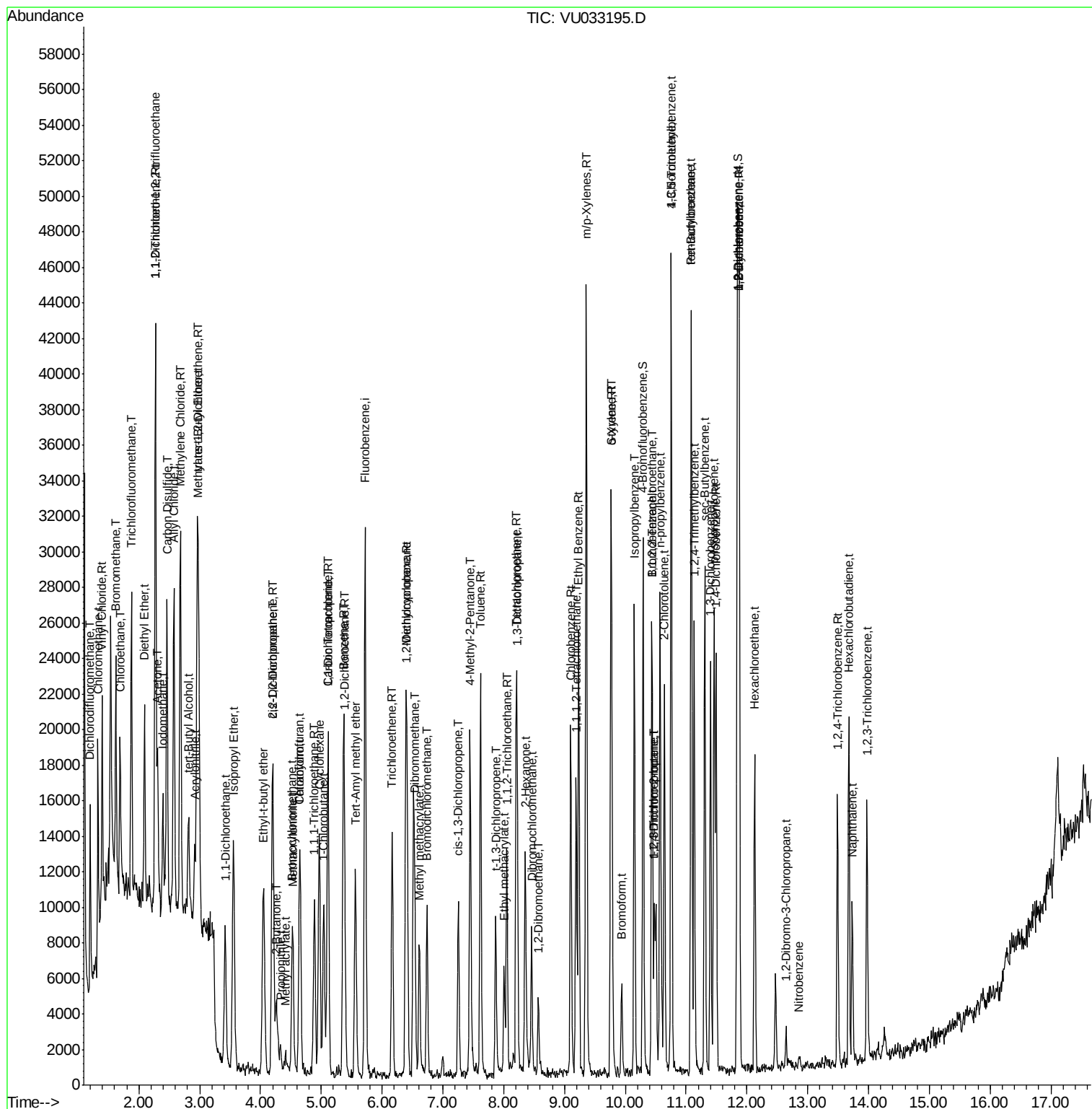
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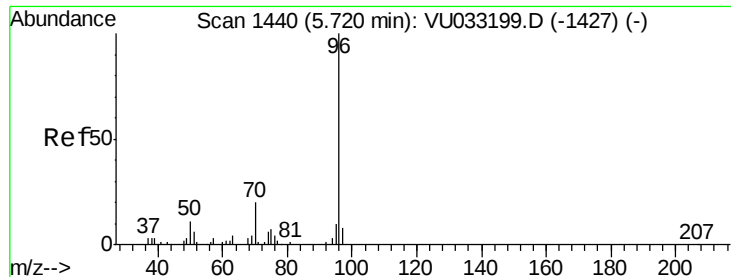
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```
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VSTDICC0.5

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 29822

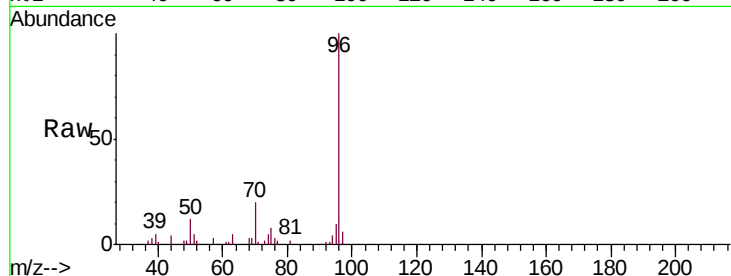
Ion Ratio Lower Upper

96 100

70 20.0 16.2 24.4

95 9.3 7.8 11.8

97 6.1 0.0 0.0#

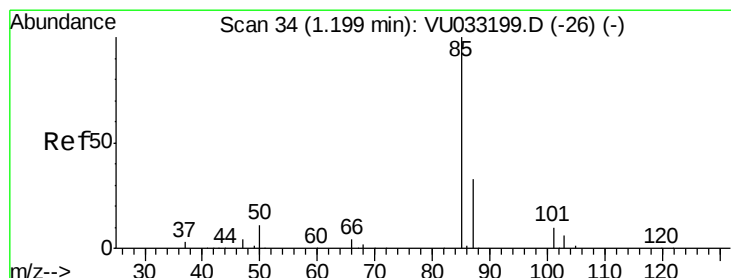
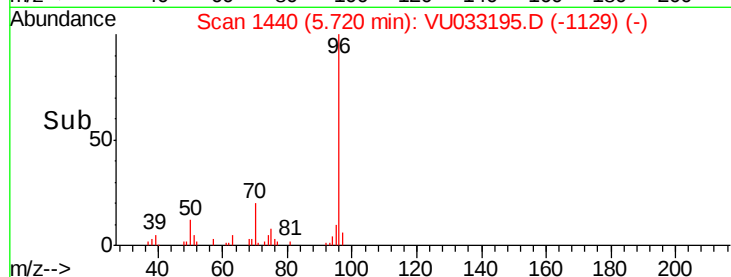
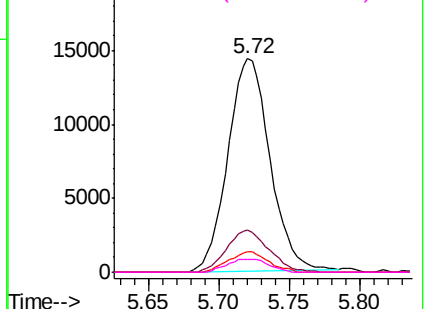


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.517 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033195.D

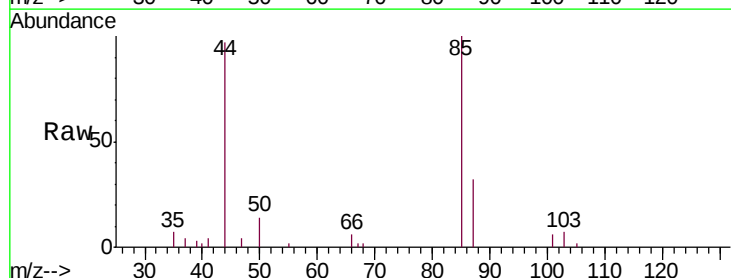
Acq: 11 Jul 2019 16:26

Tgt Ion: 85 Resp: 6411

Ion Ratio Lower Upper

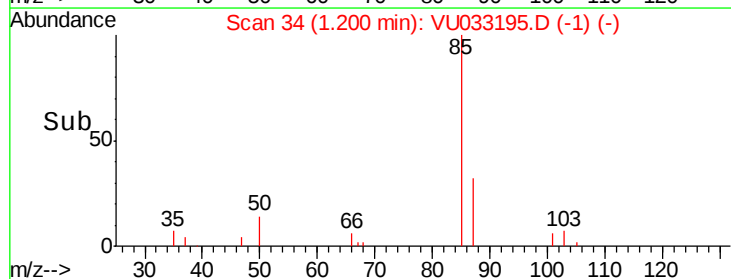
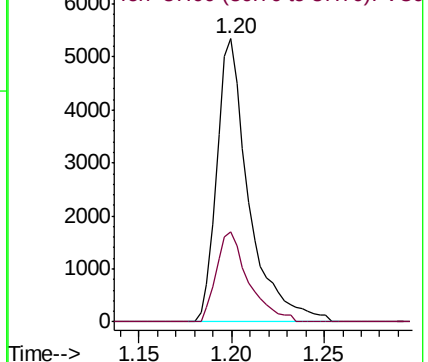
85 100

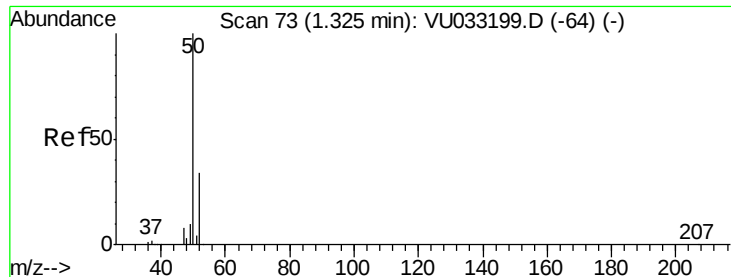
87 31.8 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.539 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

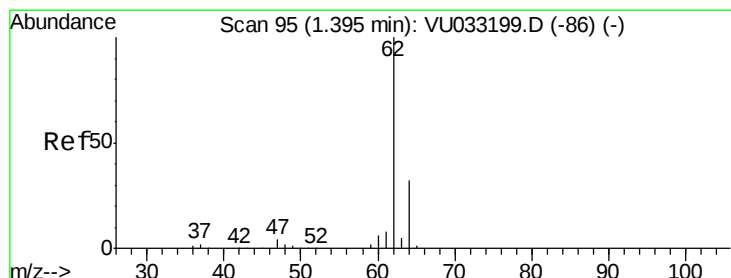
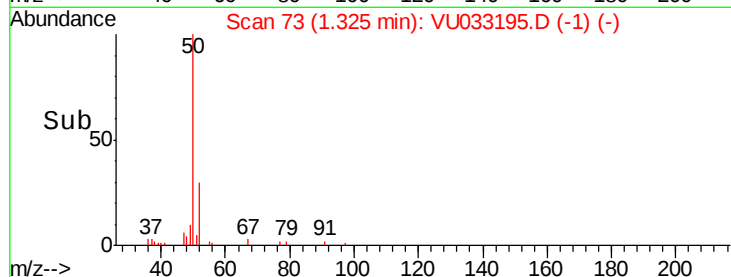
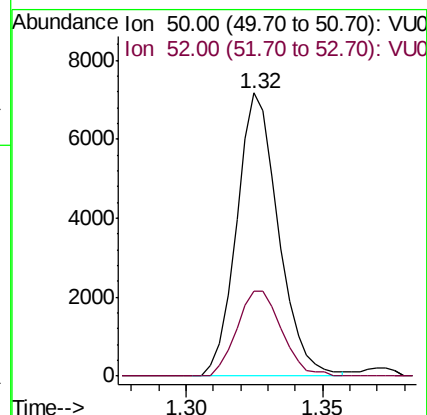
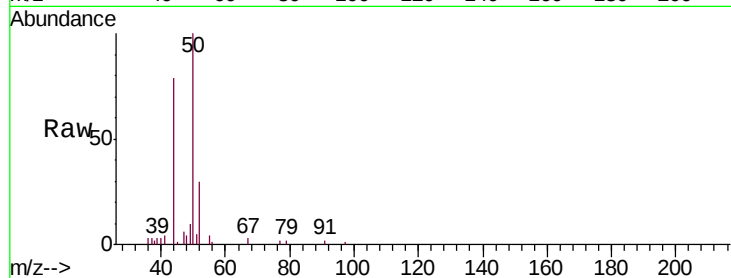
VSTDIC0.5

Tgt Ion: 50 Resp: 7618

Ion Ratio Lower Upper

50 100

52 30.0 27.0 40.4



#4

Vinyl Chloride

Concen: 0.520 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033195.D

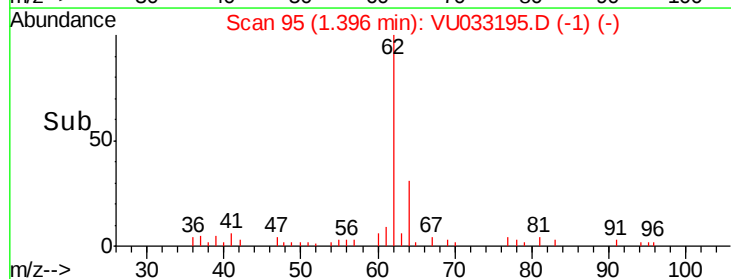
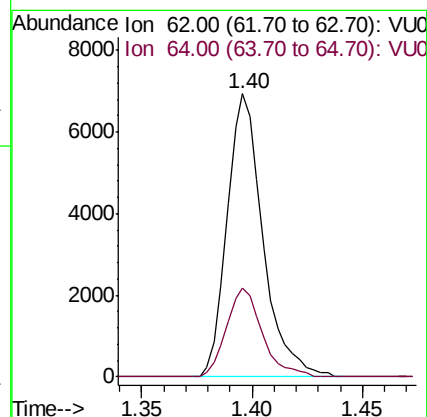
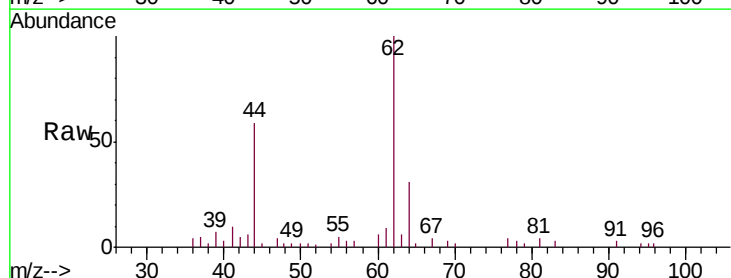
Acq: 11 Jul 2019 16:26

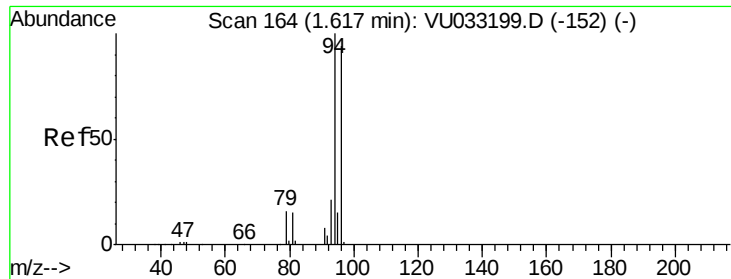
Tgt Ion: 62 Resp: 7802

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 0.661 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

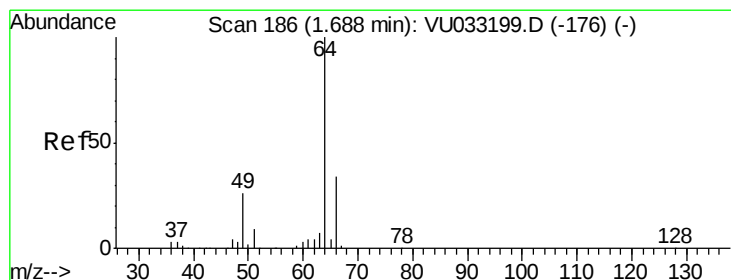
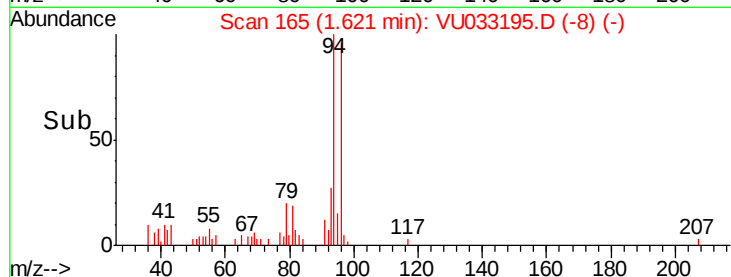
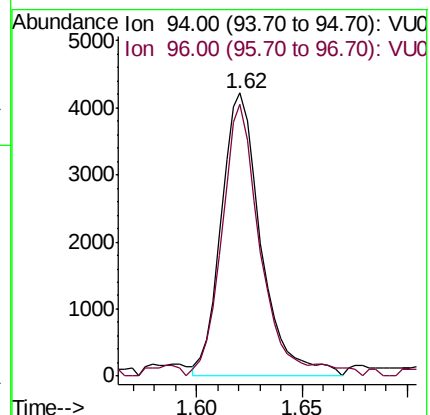
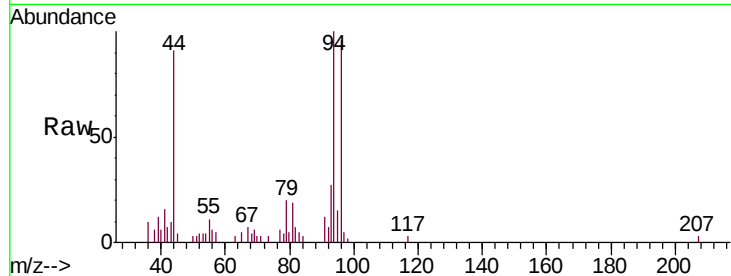
VSTDIC0.5

Tgt Ion: 94 Resp: 5518

Ion Ratio Lower Upper

94 100

96 93.4 74.8 112.2



#6

Chloroethane

Concen: 0.508 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033195.D

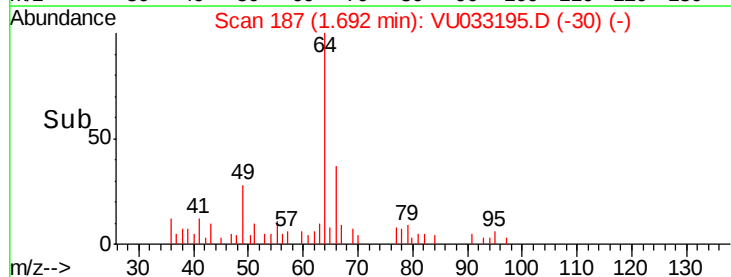
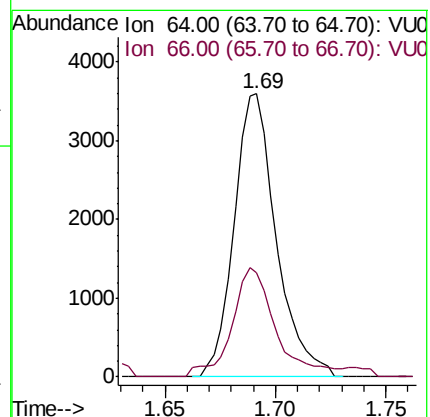
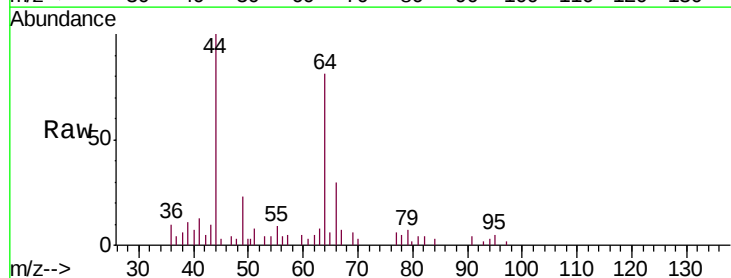
Acq: 11 Jul 2019 16:26

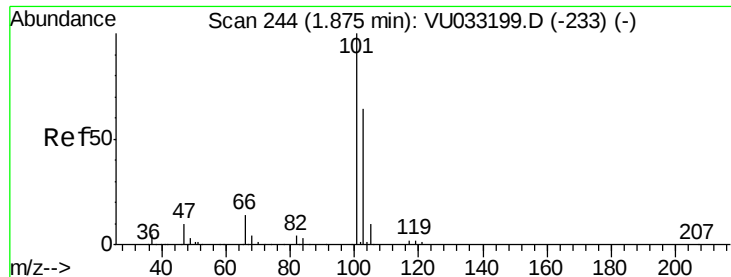
Tgt Ion: 64 Resp: 4780

Ion Ratio Lower Upper

64 100

66 33.9 27.0 40.4



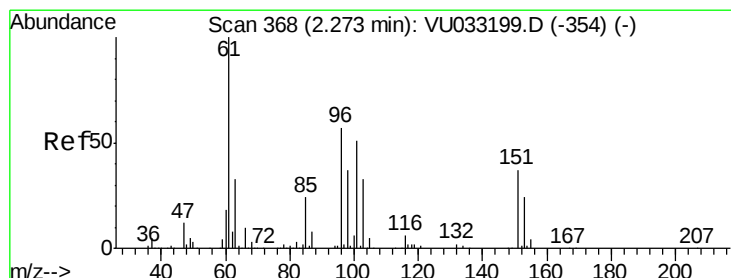
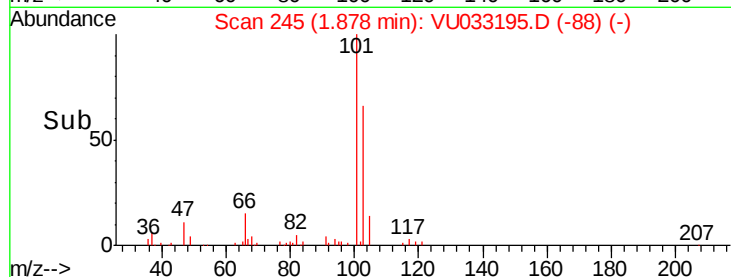
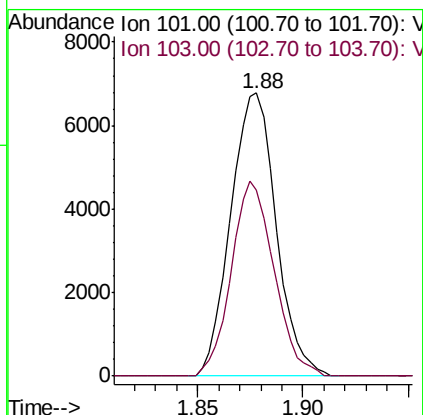
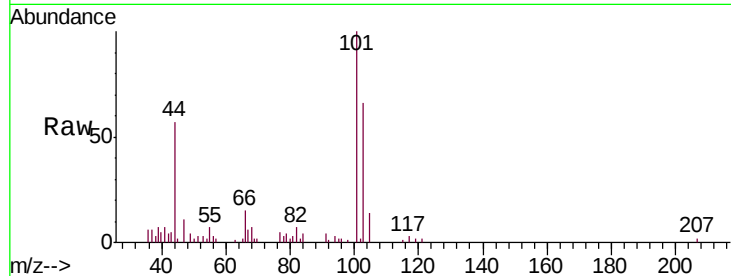


#7

Trichlorofluoromethane
 Concen: 0.499 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

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 VSTDIC0.5

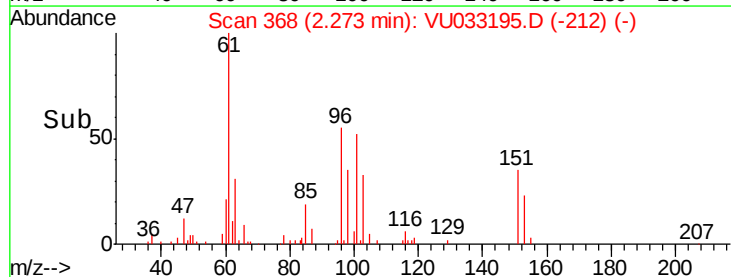
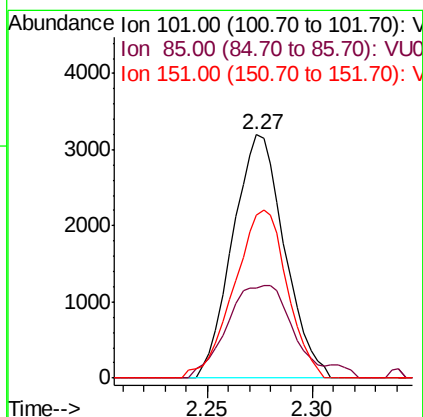
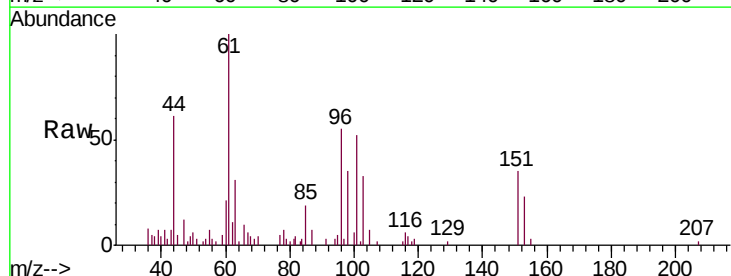
Tgt Ion:101 Resp: 10138
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

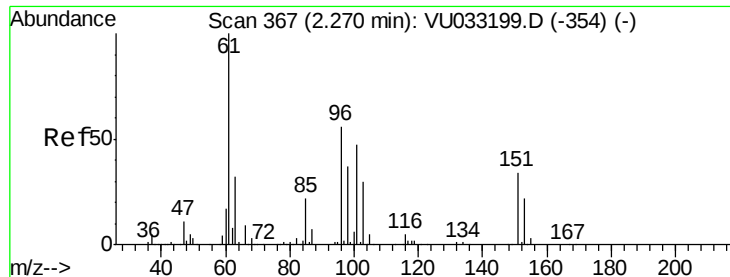


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.532 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion:101 Resp: 5457
 Ion Ratio Lower Upper
 101 100
 85 42.0 37.7 56.5
 151 70.6 58.2 87.2





#9

1,1-Dichloroethene

Concen: 0.545 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

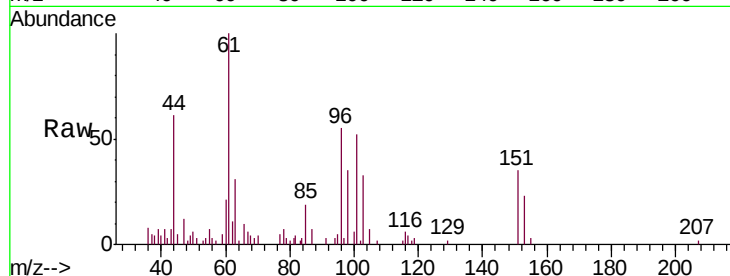
Tgt Ion: 96 Resp: 5670

Ion Ratio Lower Upper

96 100

61 180.8 0.0 533.7

98 62.9 0.0 129.8

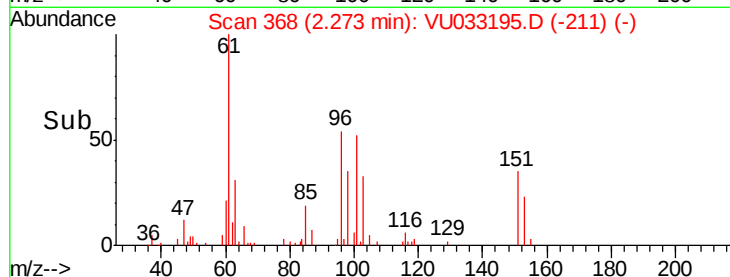


Abundance Ion 96.00 (95.70 to 96.70): VU033199.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033199.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-354) (-)

Time-->

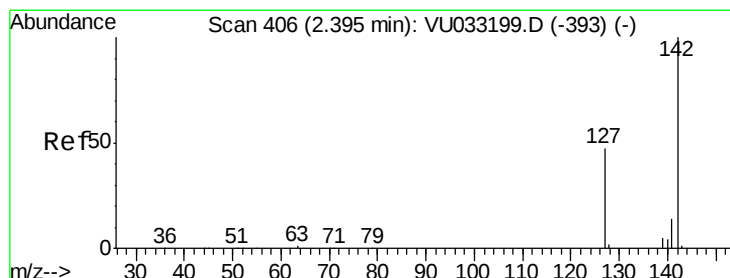


Abundance Ion 96.00 (95.70 to 96.70): VU033195.D (-211) (-)

Ion 61.00 (60.70 to 61.70): VU033195.D (-211) (-)

Ion 98.00 (97.70 to 98.70): VU033195.D (-211) (-)

Time-->



#10

Iodomethane

Concen: 0.308 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU033195.D

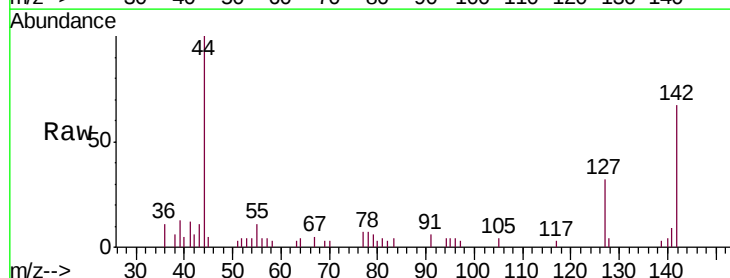
Acq: 11 Jul 2019 16:26

Tgt Ion: 142 Resp: 4287

Ion Ratio Lower Upper

142 100

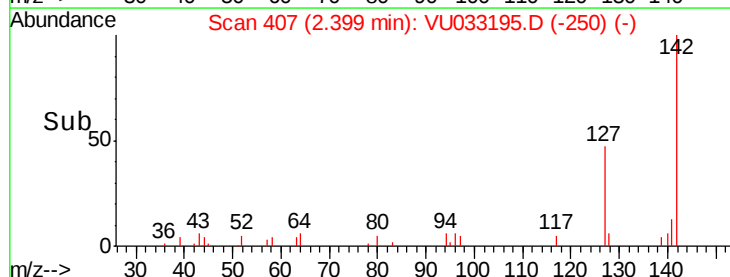
127 45.3 37.0 55.4



Abundance Ion 142.00 (141.70 to 142.70): VU033199.D (-393) (-)

Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)

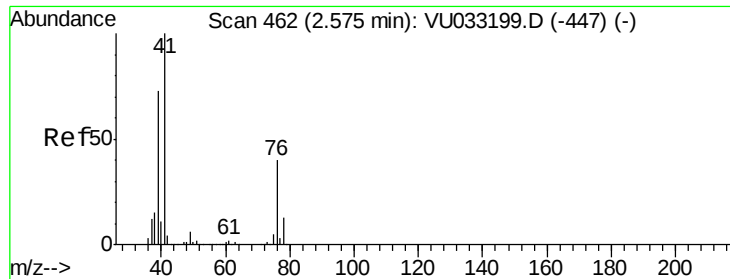
Time-->



Abundance Ion 142.00 (141.70 to 142.70): VU033195.D (-250) (-)

Ion 127.00 (126.70 to 127.70): VU033195.D (-250) (-)

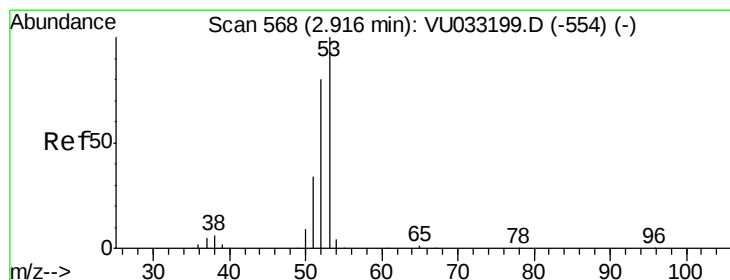
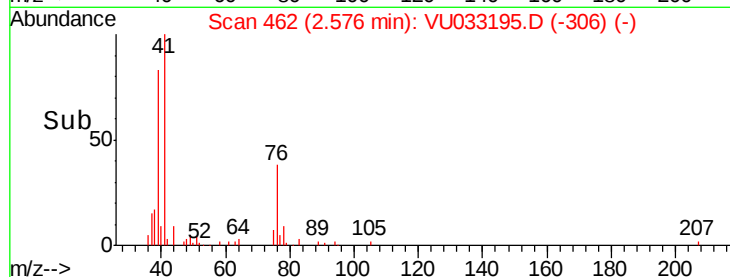
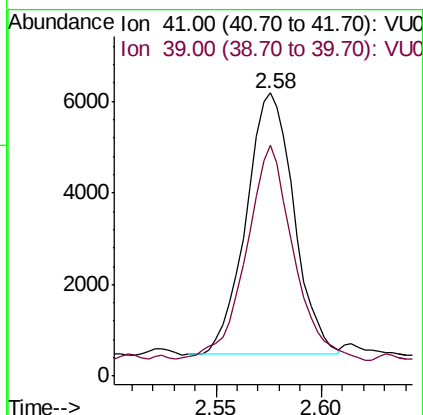
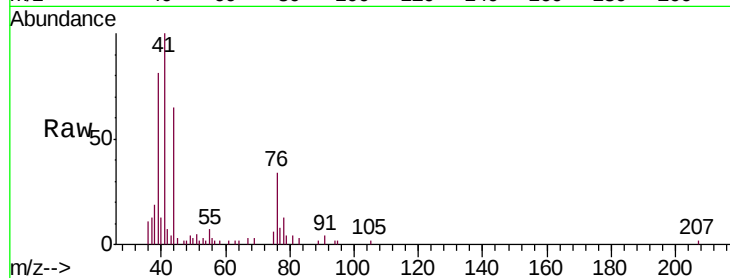
Time-->



#11
 Allyl Chloride
 Concen: 0.499 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

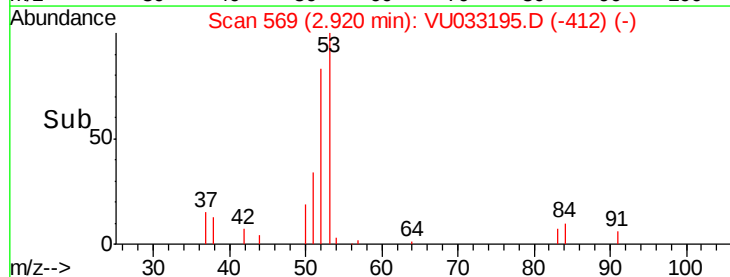
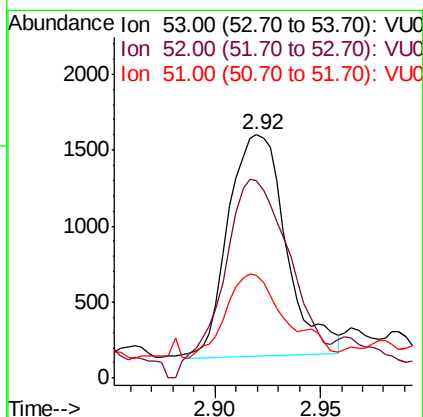
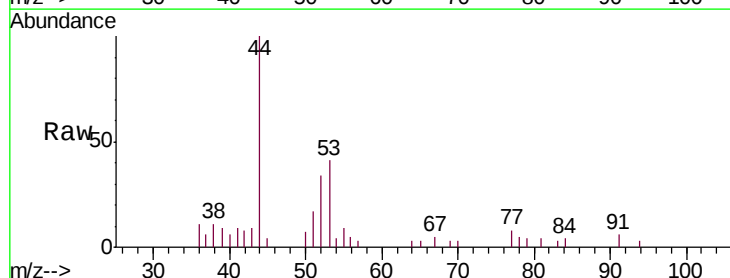
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

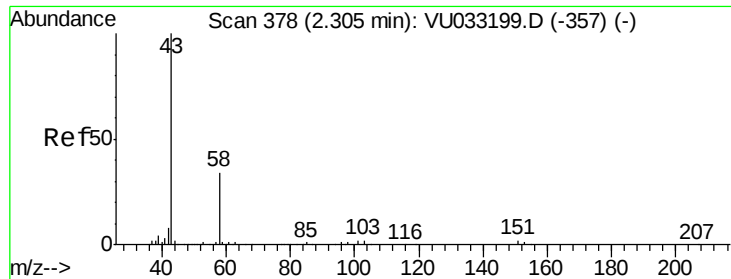
Tgt Ion: 41 Resp: 8946
 Ion Ratio Lower Upper
 41 100
 39 81.5 58.7 88.1



#12
 Acrylonitrile
 Concen: 0.962 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 53 Resp: 2790
 Ion Ratio Lower Upper
 53 100
 52 106.3 68.3 102.5#
 51 39.5 28.7 43.1





#13

Acetone

Concen: 3.051 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

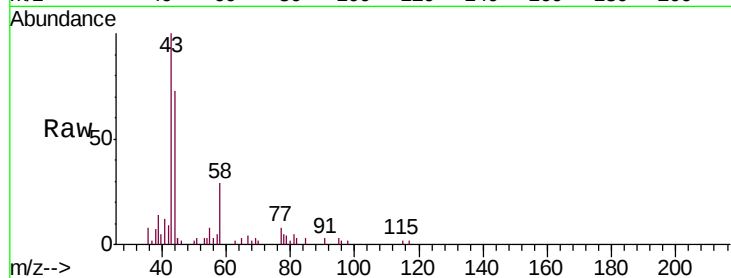
VSTDIC0.5

Tgt Ion: 43 Resp: 7826

Ion Ratio Lower Upper

43 100

58 31.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU033199.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033199.D (-357) (-)

2.31

6000

5000

4000

3000

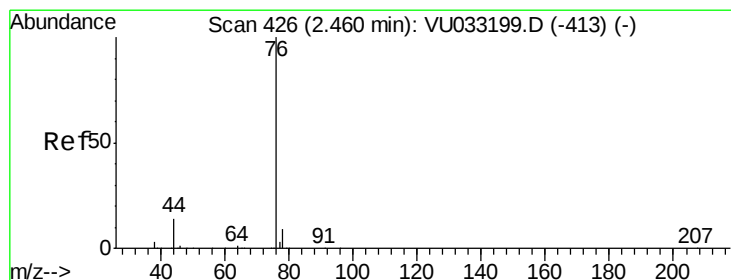
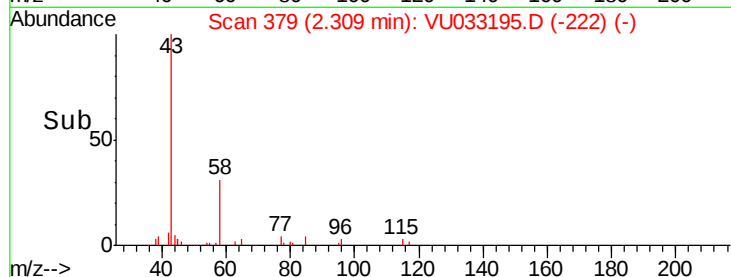
2000

1000

0

Time-->

2.25 2.30 2.35



#14

Carbon Disulfide

Concen: 0.521 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033195.D

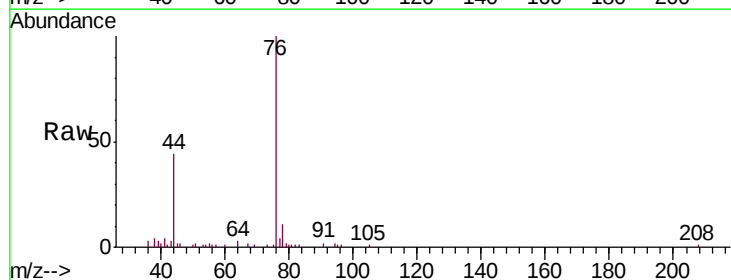
Acq: 11 Jul 2019 16:26

Tgt Ion: 76 Resp: 20074

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033199.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033199.D (-413) (-)

2.46

15000

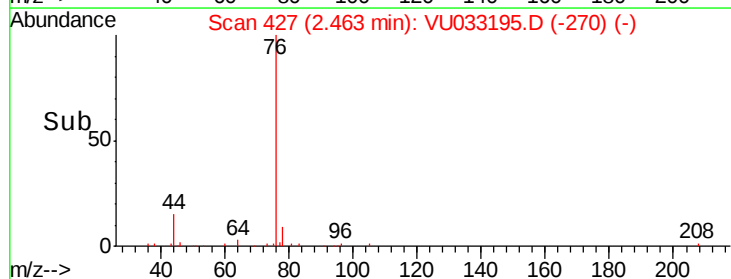
10000

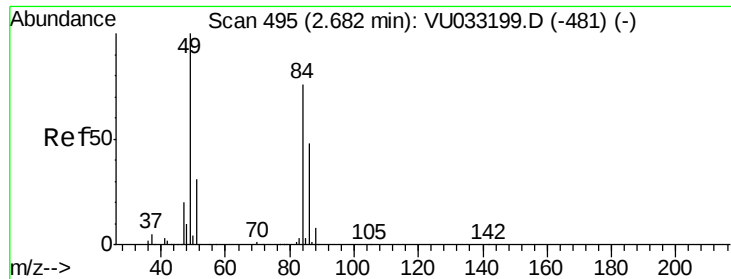
5000

0

Time-->

2.40 2.45 2.50 2.55

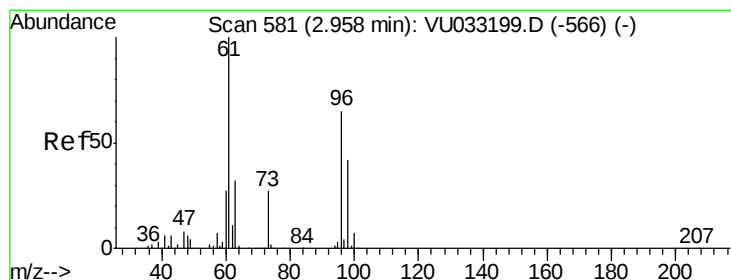
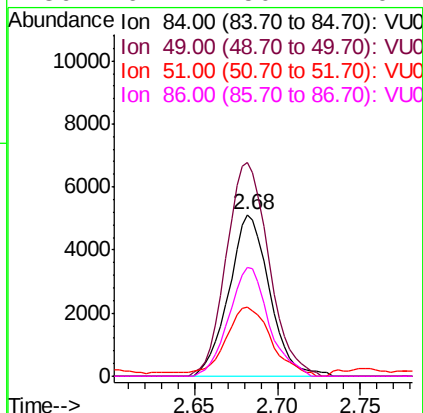
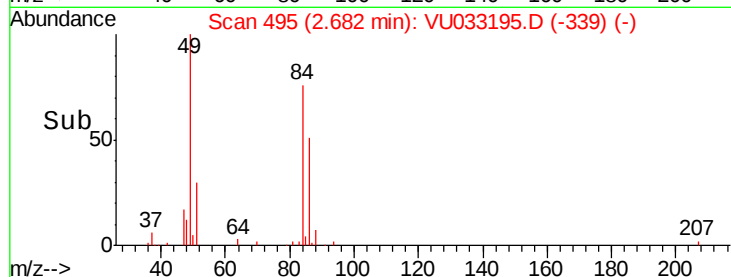
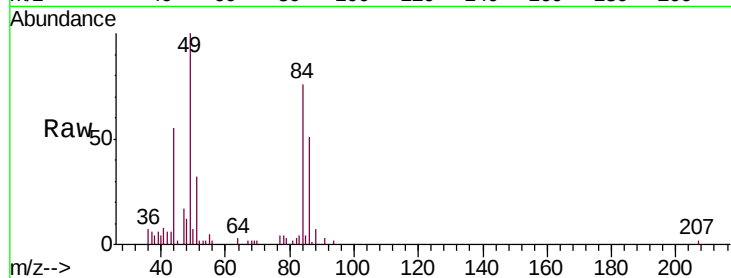




#15
Methylene Chloride
Concen: 0.652 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

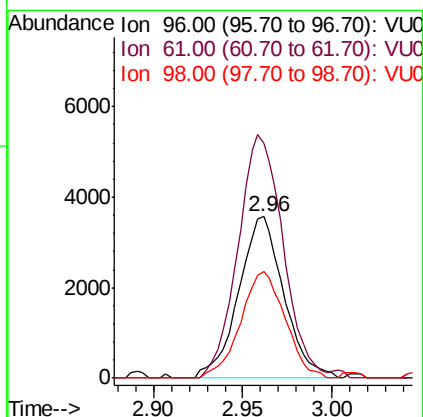
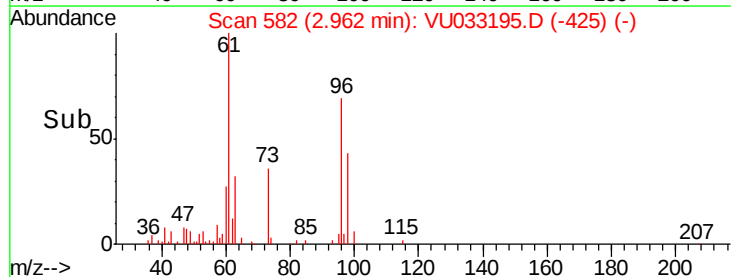
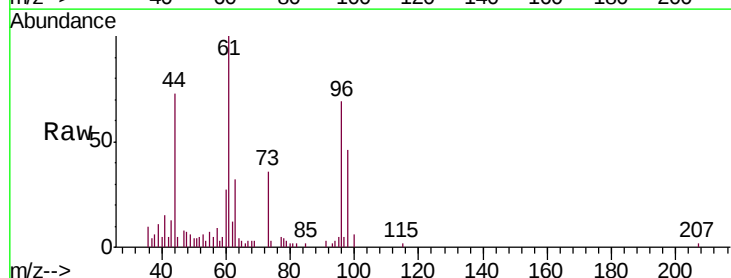
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

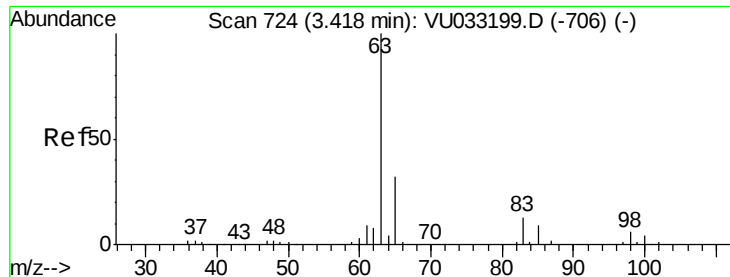
Tgt Ion:	84	Resp:	8746
Ion	Ratio	Lower	Upper
84	100		
49	132.2	105.8	158.8
51	40.5	0.0	82.0
86	67.2	50.7	76.1



#16
trans-1,2-Dichloroethene
Concen: 0.530 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:	96	Resp:	6340
Ion	Ratio	Lower	Upper
96	100		
61	145.6	122.6	184.0
98	66.4	52.0	78.0

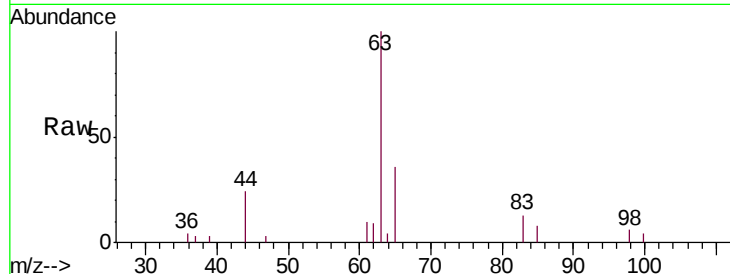




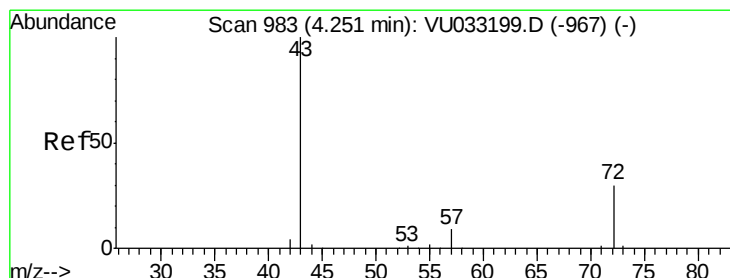
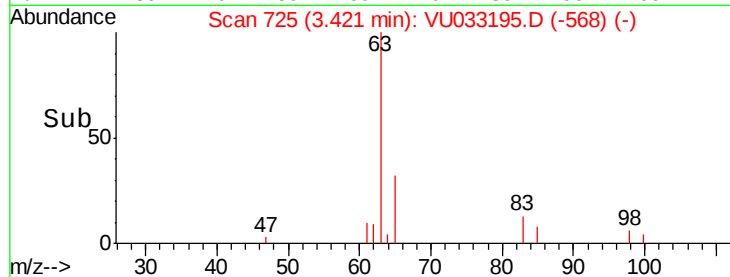
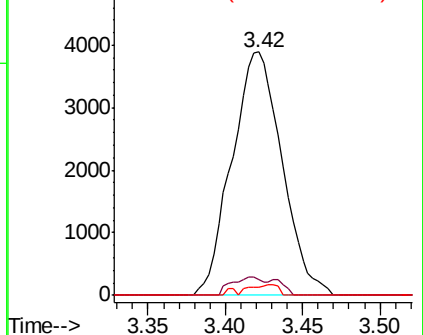
#17
 1,1-Dichloroethane
 Concen: 0.498 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 63 Resp: 8771
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 3.5 1.8 5.4

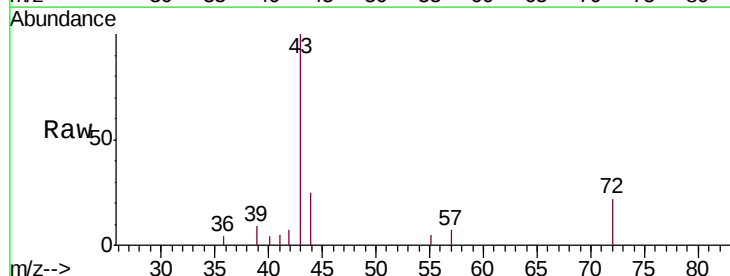


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

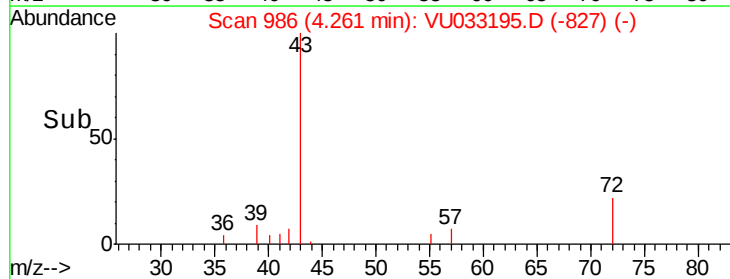
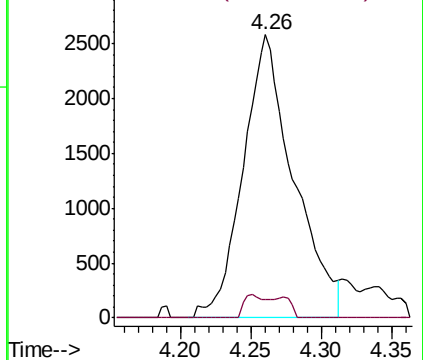


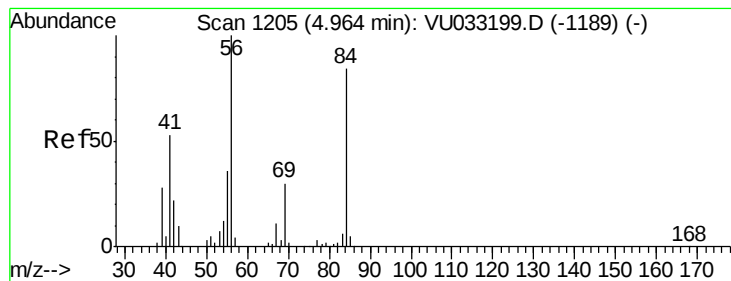
#18
 2-Butanone
 Concen: 2.815 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 43 Resp: 6472
 Ion Ratio Lower Upper
 43 100
 57 6.7 0.0 18.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 0.417 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

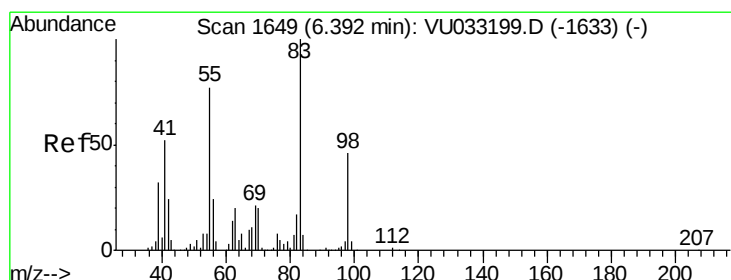
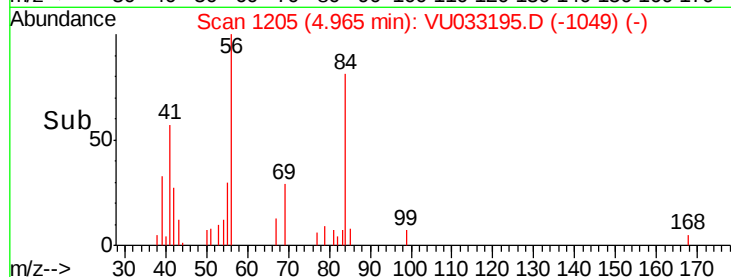
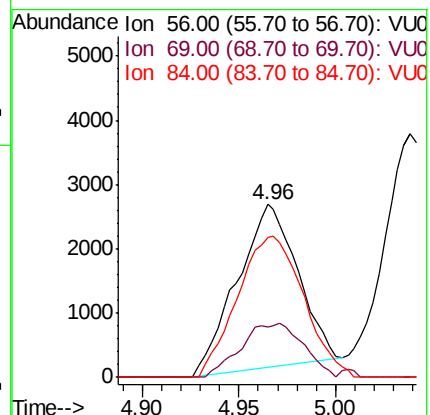
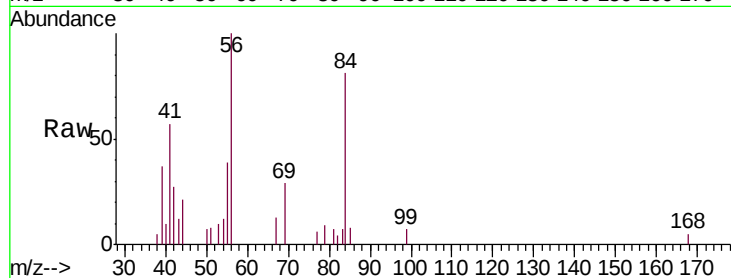
Tgt Ion: 56 Resp: 5544

Ion Ratio Lower Upper

56 100

69 34.0 24.6 37.0

84 94.5 67.5 101.3



#20

Methylcyclohexane

Concen: 0.477 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

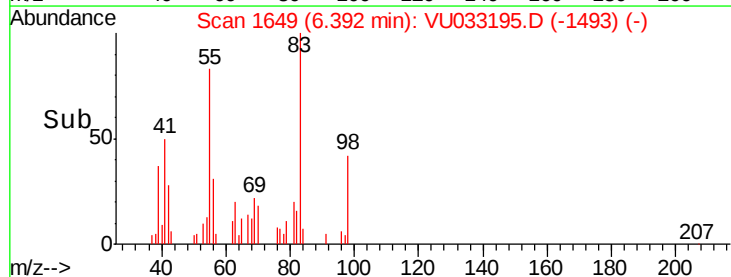
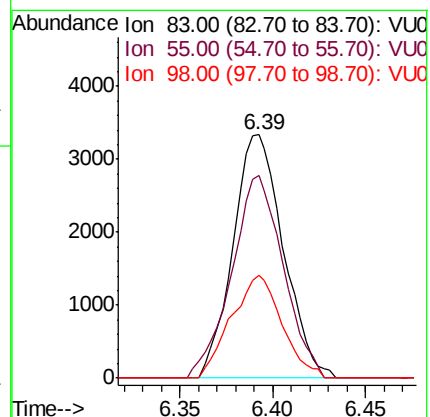
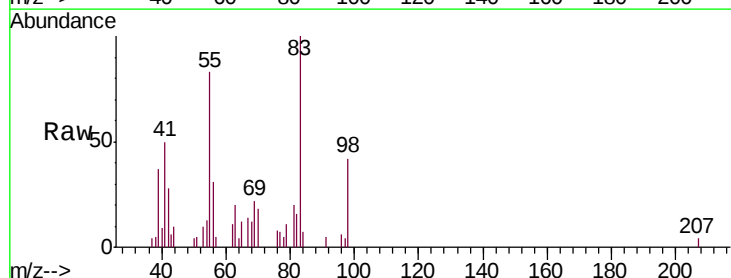
Tgt Ion: 83 Resp: 6286

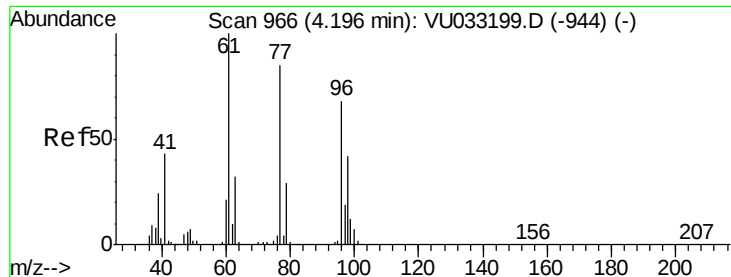
Ion Ratio Lower Upper

83 100

55 85.1 62.0 93.0

98 42.5 36.3 54.5

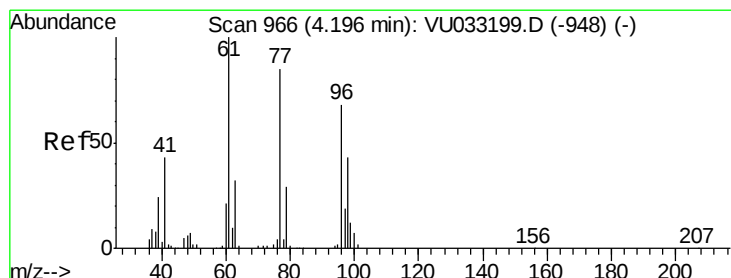
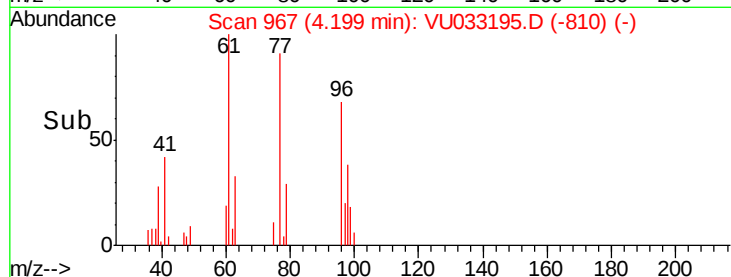
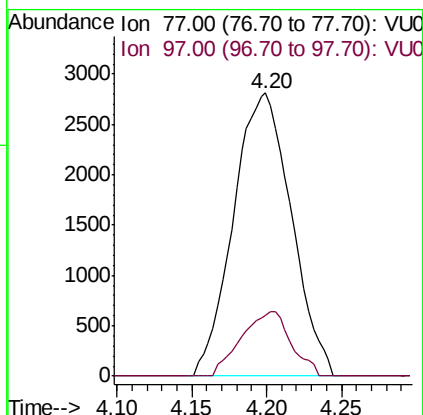
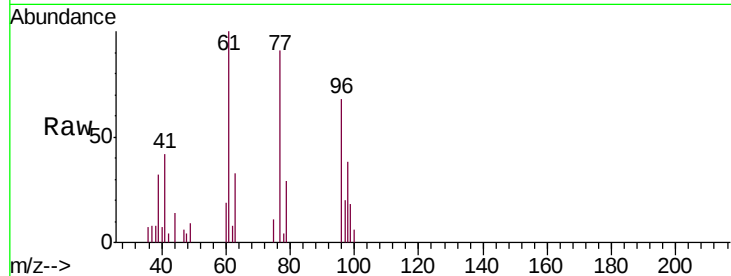




#21
 2,2-Dichloropropane
 Concen: 0.493 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

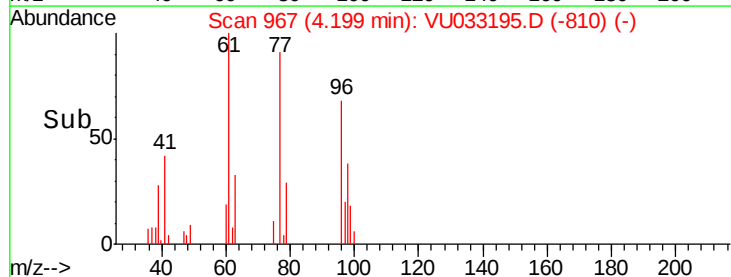
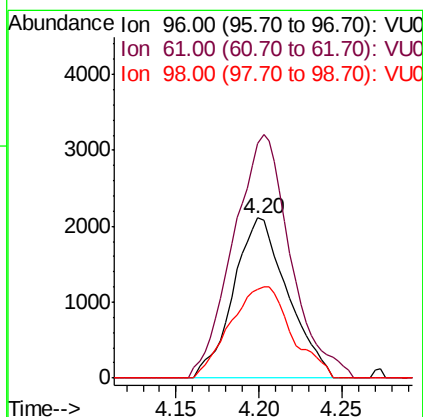
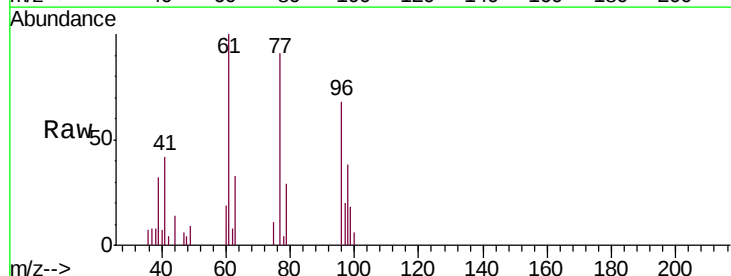
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

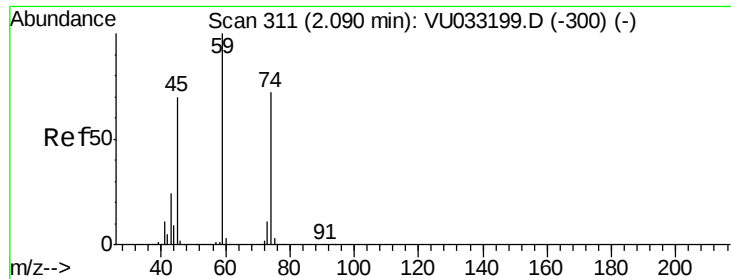
Tgt Ion: 77 Resp: 7579
 Ion Ratio Lower Upper
 77 100
 97 19.6 17.6 26.4



#22
 cis-1,2-Dichloroethene
 Concen: 0.492 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 96 Resp: 4801
 Ion Ratio Lower Upper
 96 100
 61 159.9 0.0 377.3
 98 64.6 32.3 96.8

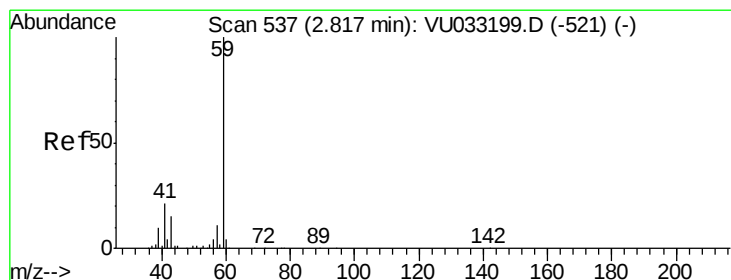
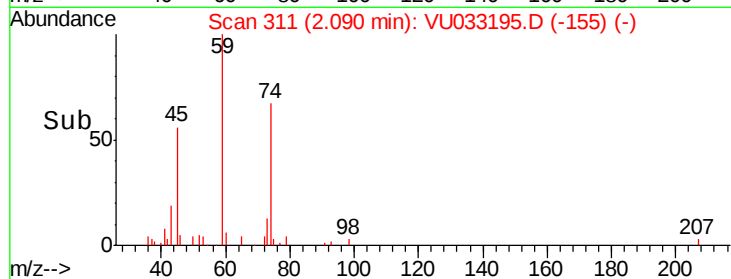
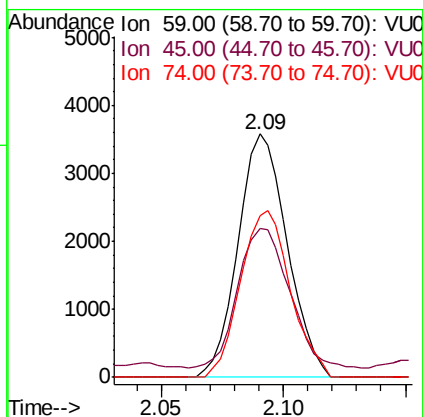
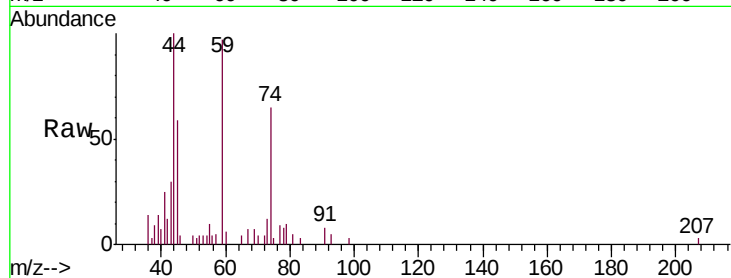




#23
Diethyl Ether
Concen: 0.567 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

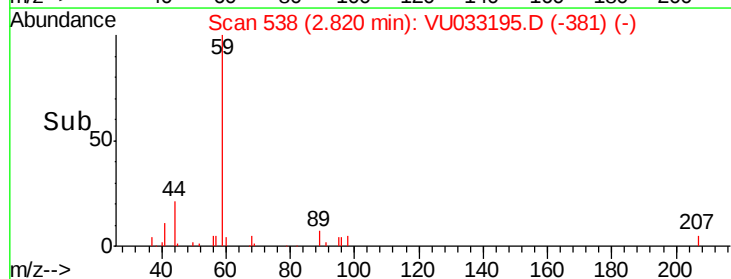
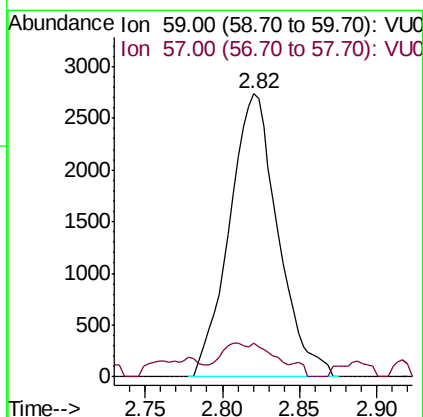
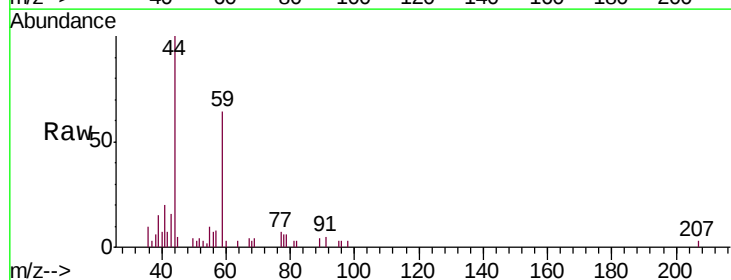
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

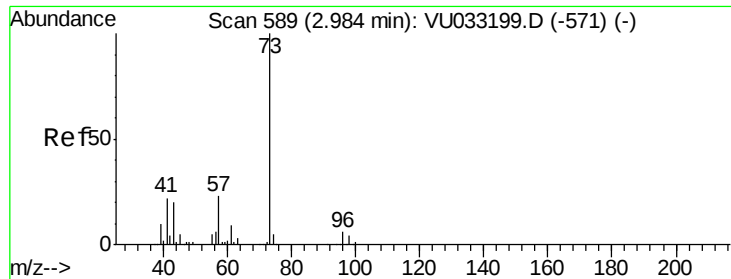
Tgt Ion: 59 Resp: 4985
Ion Ratio Lower Upper
59 100
45 60.5 55.7 83.5
74 69.4 58.1 87.1



#24
tert-Butyl Alcohol
Concen: 5.326 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 59 Resp: 5958
Ion Ratio Lower Upper
59 100
57 4.0 8.5 12.7#





#25

Methyl tert-Butyl Ether

Concen: 0.521 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

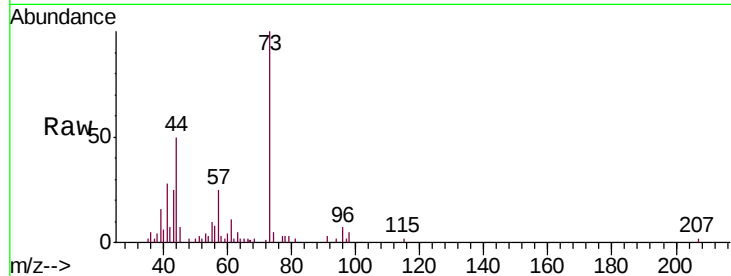
VSTDIC0.5

Tgt Ion: 73 Resp: 15455

Ion Ratio Lower Upper

73 100

43 23.3 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VU033195.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033195.D (-571) (-)

8000

6000

4000

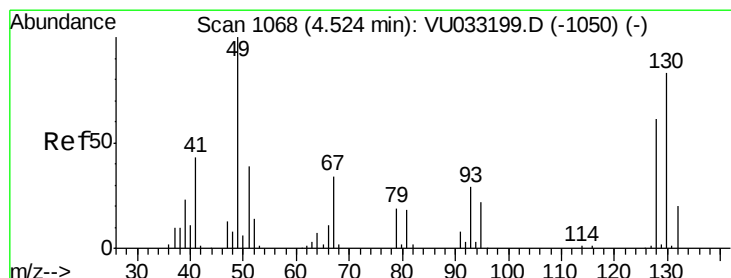
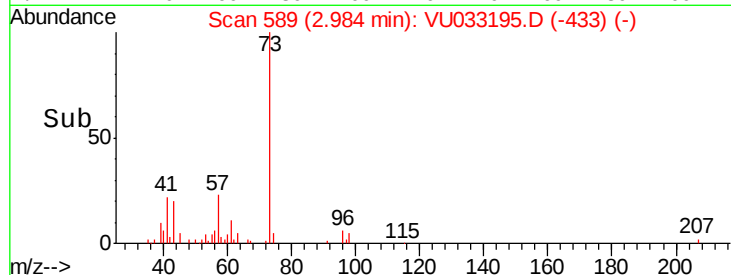
2000

0

Time-->

2.90 2.95 3.00 3.05

2.98



#26

Bromochloromethane

Concen: 0.509 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

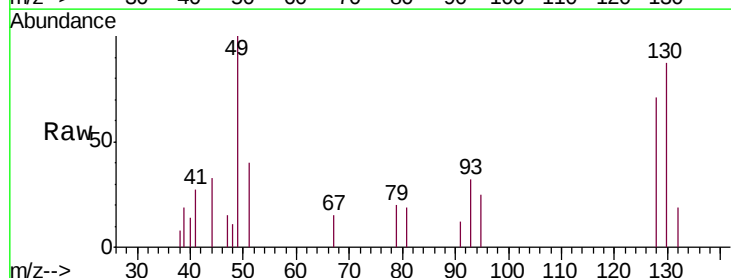
Tgt Ion: 128 Resp: 2214

Ion Ratio Lower Upper

128 100

49 163.2 0.0 328.6

130 134.3 104.1 156.1



Abundance Ion 128.00 (127.70 to 128.70): VU033195.D (-912) (-)

Ion 49.00 (48.70 to 49.70): VU033195.D (-912) (-)

Ion 130.00 (129.70 to 130.70): VU033195.D (-912) (-)

2000

1500

1000

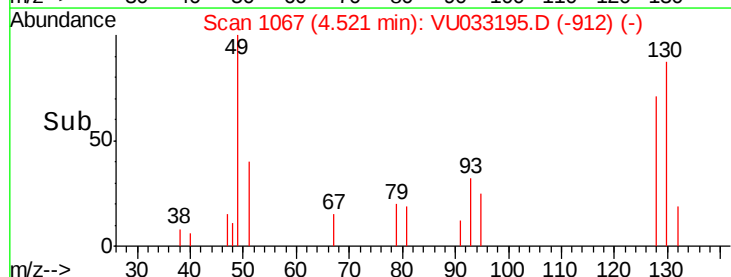
500

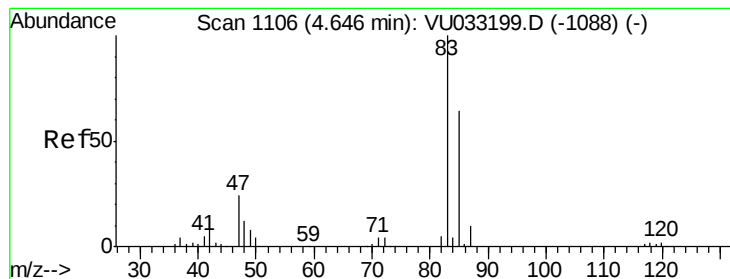
0

Time-->

4.50 4.55

4.52





#27

Chloroform

Concen: 0.554 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

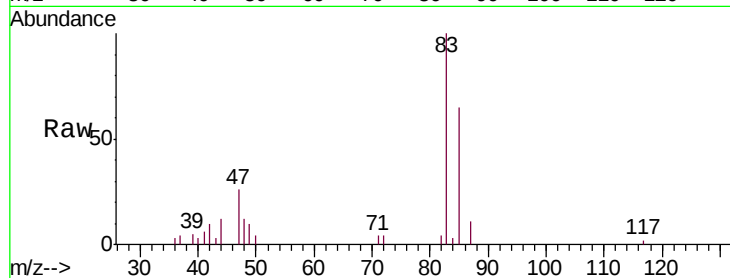
VSTDIC0.5

Tgt Ion: 83 Resp: 10895

Ion Ratio Lower Upper

83 100

85 65.2 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU033199.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033199.D (-1088) (-)

4.65

4000

3000

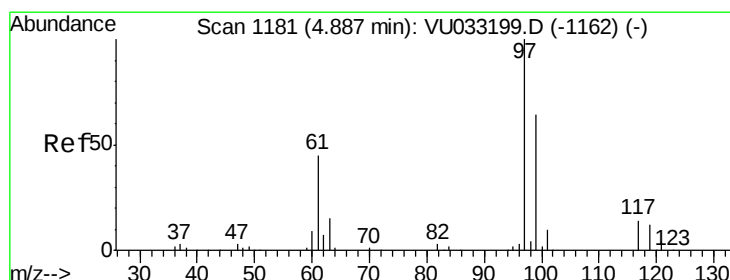
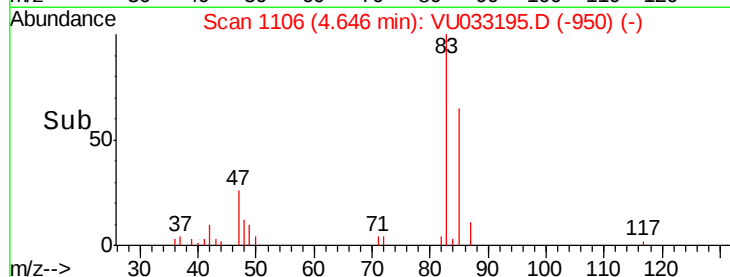
2000

1000

0

4.55 4.60 4.65 4.70 4.75

Time-->



#28

1,1,1-Trichloroethane

Concen: 0.501 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

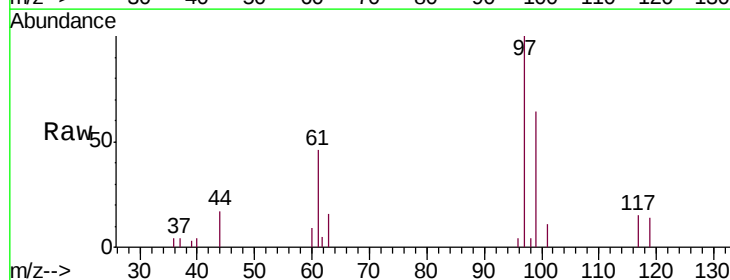
Tgt Ion: 97 Resp: 7717

Ion Ratio Lower Upper

97 100

99 64.9 31.9 95.5

61 43.7 22.6 67.7



Abundance Ion 97.00 (96.70 to 97.70): VU033199.D (-1162) (-)

Ion 99.00 (98.70 to 99.70): VU033199.D (-1162) (-)

Ion 61.00 (60.70 to 61.70): VU033199.D (-1162) (-)

4.89

4000

3000

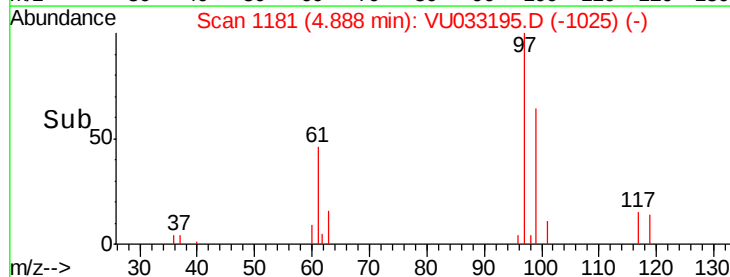
2000

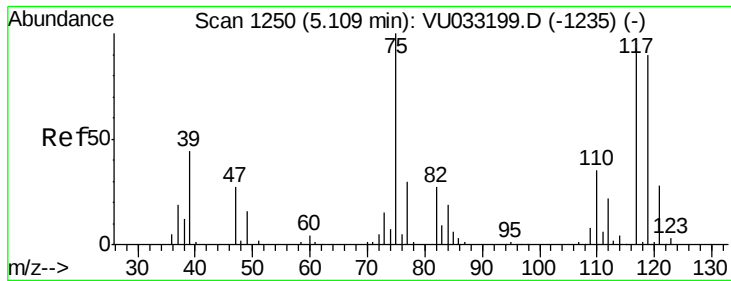
1000

0

4.80 4.85 4.90 4.95

Time-->

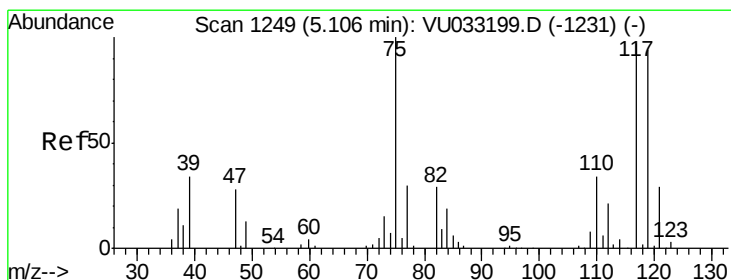
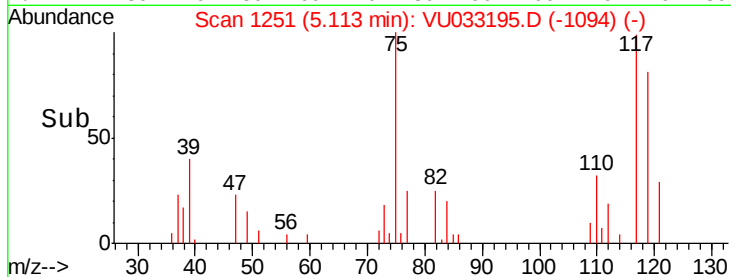
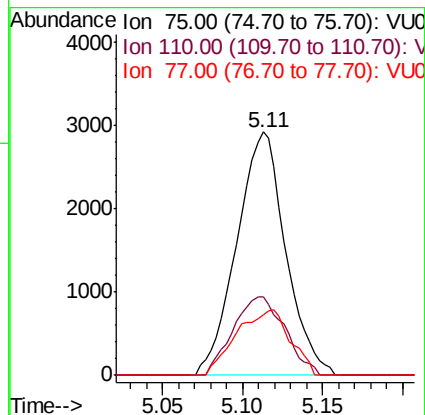
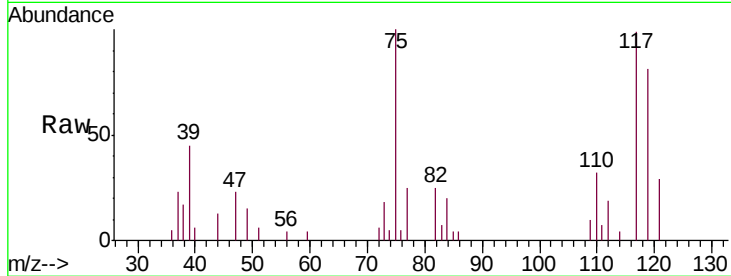




#29
 1,1-Dichloropropene
 Concen: 0.478 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

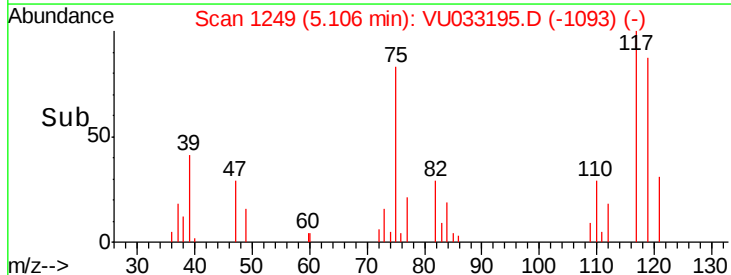
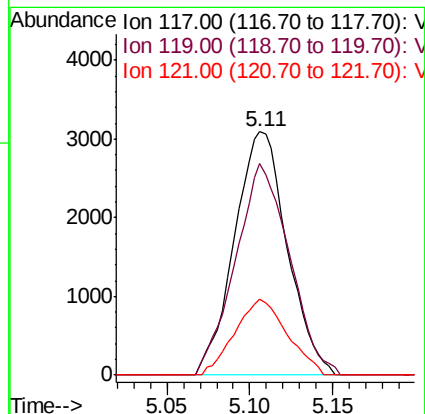
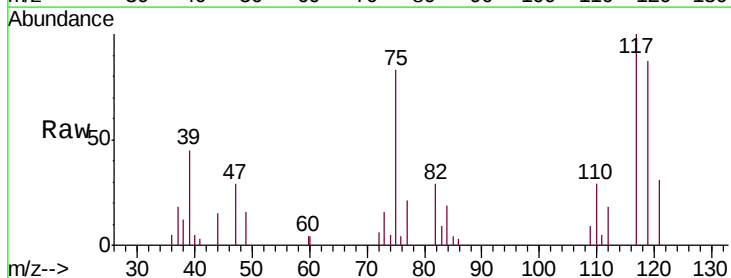
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

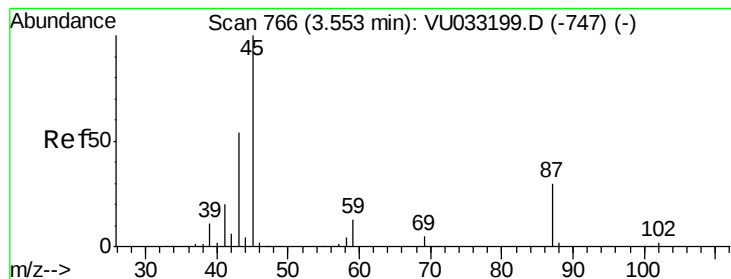
Tgt Ion: 75 Resp: 6098
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.5 52.6
 77 29.7 24.6 37.0



#30
 Carbon Tetrachloride
 Concen: 0.496 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 117 Resp: 6833
 Ion Ratio Lower Upper
 117 100
 119 87.2 77.4 116.0
 121 30.9 24.2 36.2





#31

Isopropyl Ether

Concen: 0.489 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

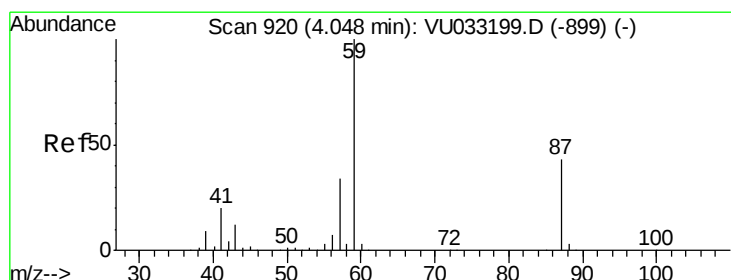
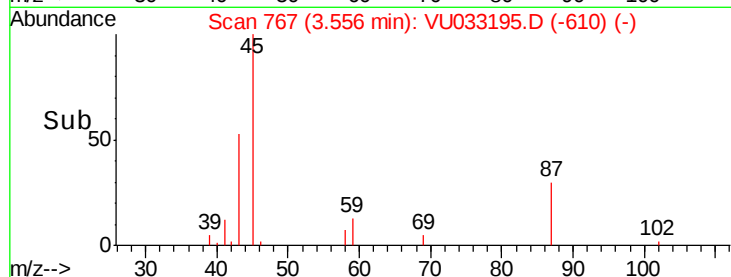
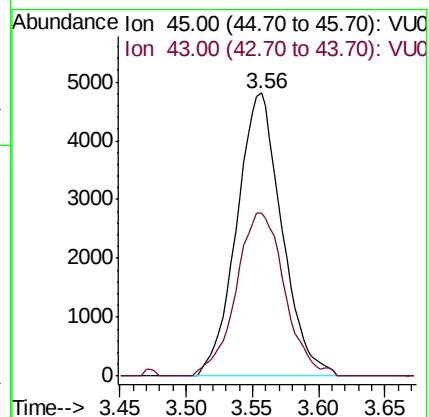
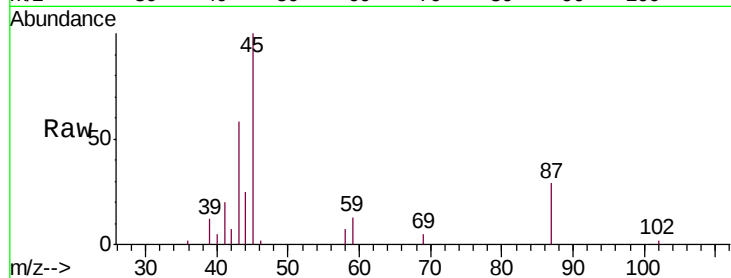
VSTDIC0.5

Tgt Ion: 45 Resp: 11383

Ion Ratio Lower Upper

45 100

43 62.4 27.3 81.8



#32

Ethyl-t-butyl ether

Concen: 0.488 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033195.D

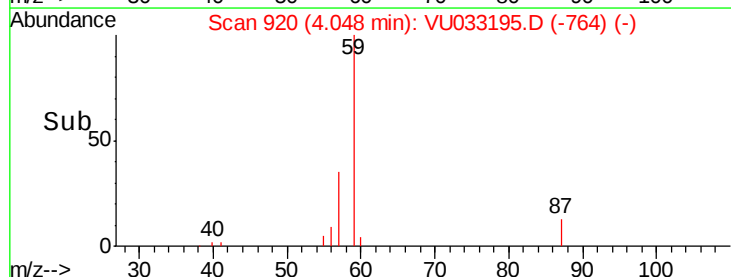
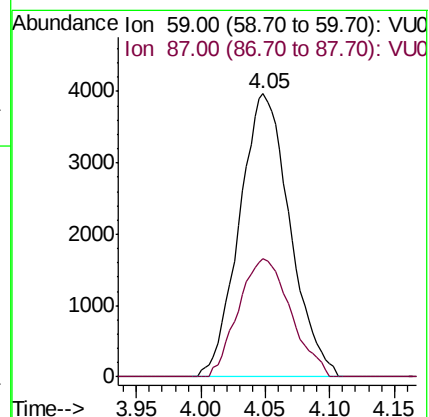
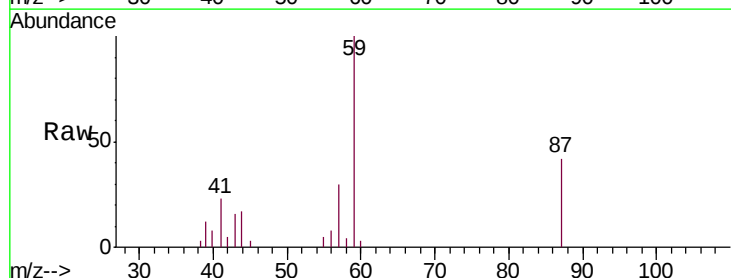
Acq: 11 Jul 2019 16:26

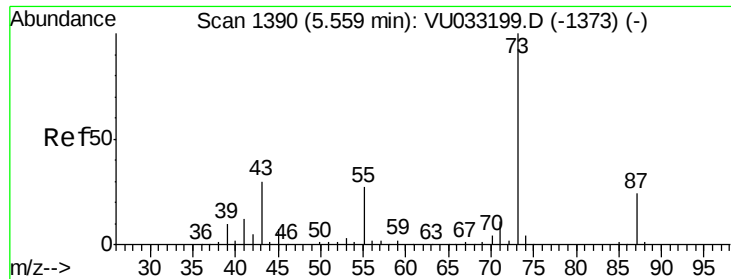
Tgt Ion: 59 Resp: 10826

Ion Ratio Lower Upper

59 100

87 43.0 34.5 51.7

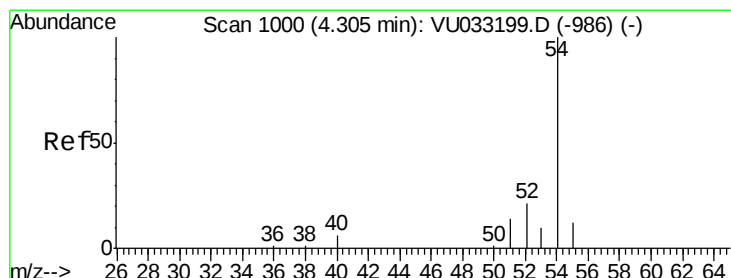
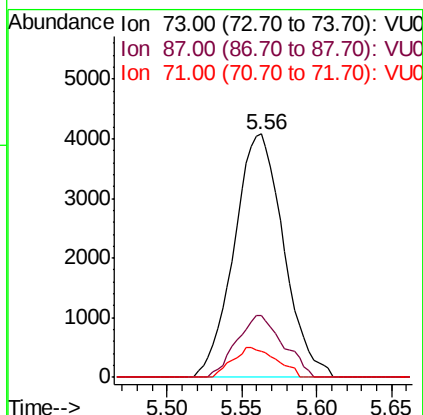
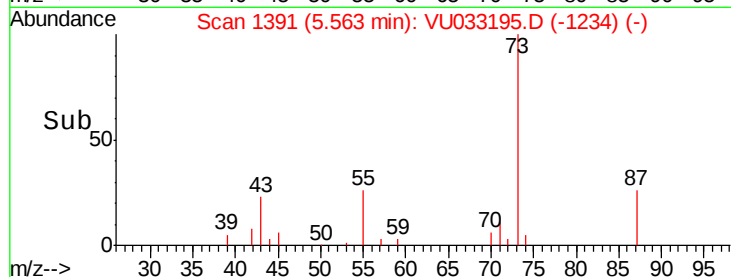
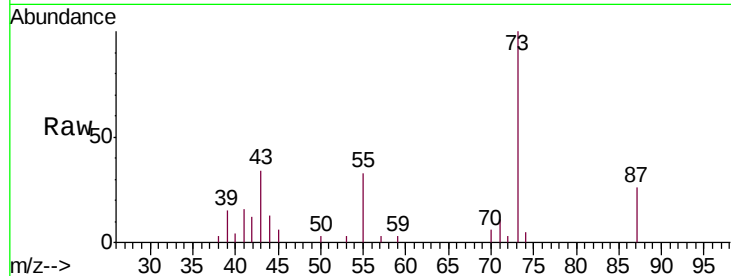




#33
Tert-Amyl methyl ether
Concen: 0.470 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

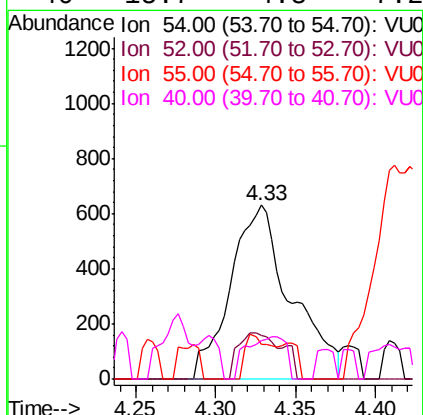
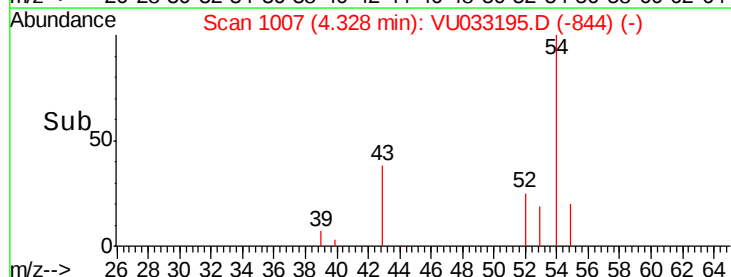
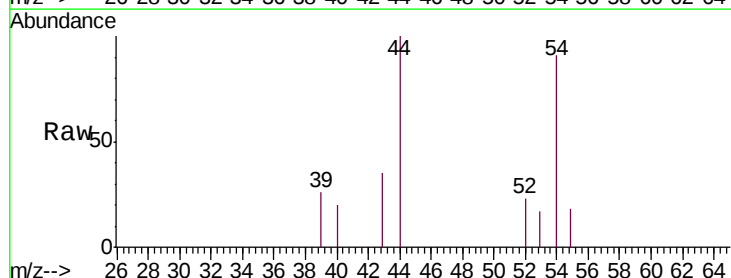
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

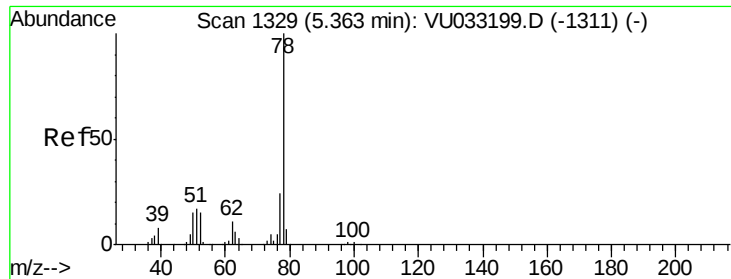
Tgt Ion: 73 Resp: 9390
Ion Ratio Lower Upper
73 100
87 23.8 19.8 29.6
71 10.8 9.1 13.7



#34
Propionitrile
Concen: 2.464 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 54 Resp: 1640
Ion Ratio Lower Upper
54 100
52 19.2 16.7 25.1
55 10.9 12.9 19.3#
40 15.7 4.8 7.2#





#35

Benzene

Concen: 0.494 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

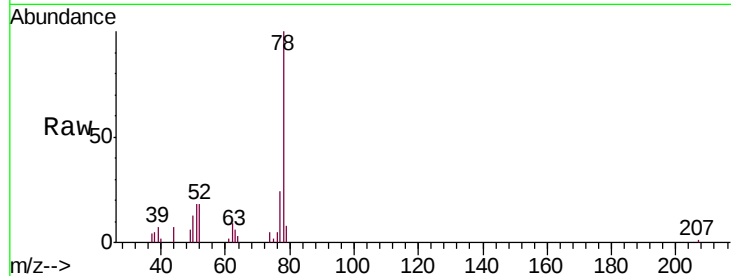
VSTDIC0.5

Tgt Ion: 78 Resp: 18306

Ion Ratio Lower Upper

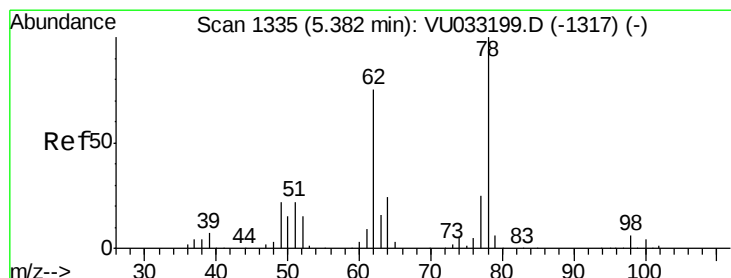
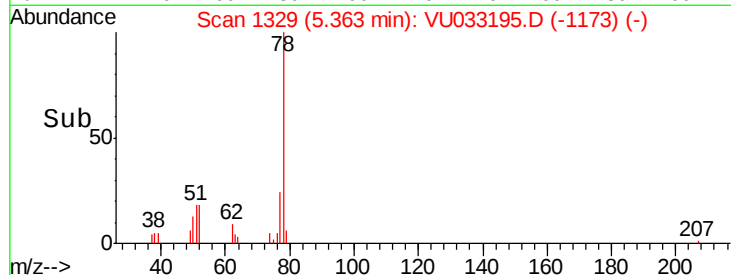
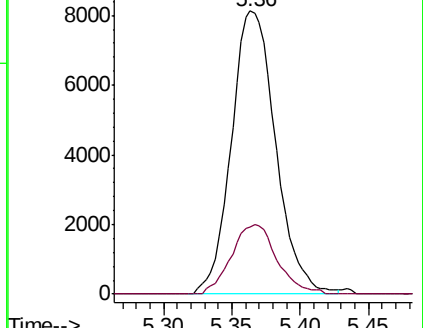
78 100

77 23.9 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)



#36

1,2-Dichloroethane

Concen: 0.516 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033195.D

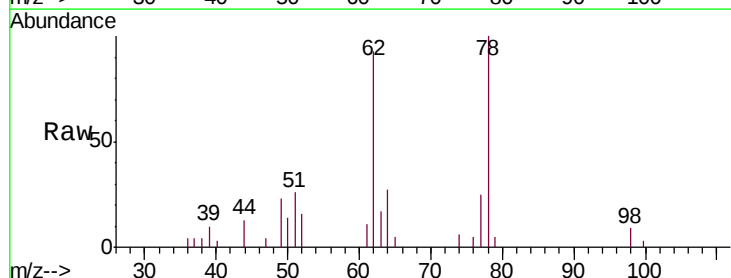
Acq: 11 Jul 2019 16:26

Tgt Ion: 62 Resp: 6173

Ion Ratio Lower Upper

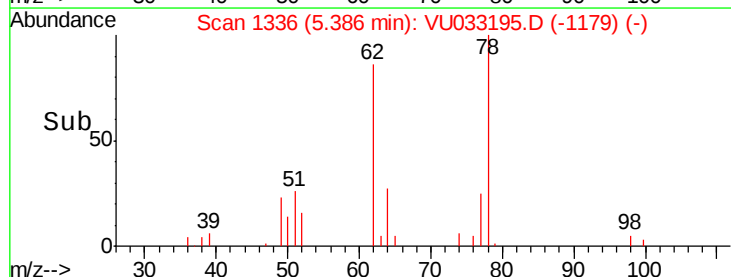
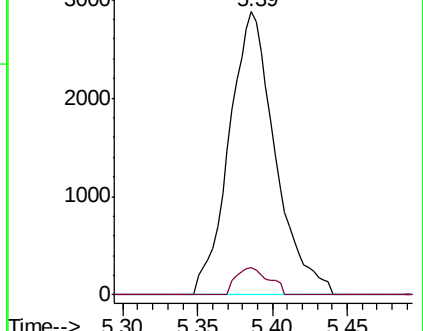
62 100

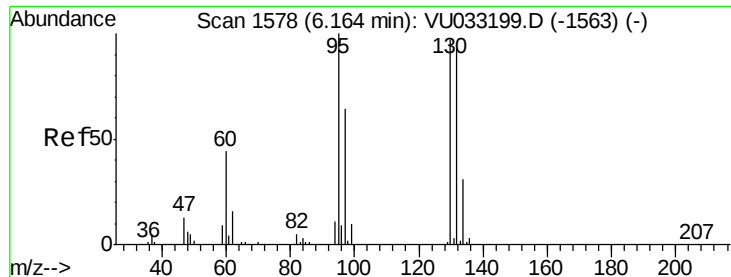
98 6.8 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)

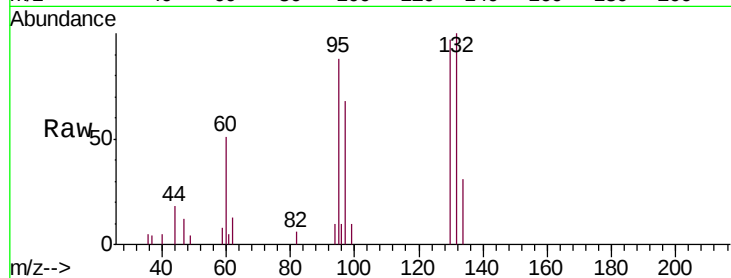




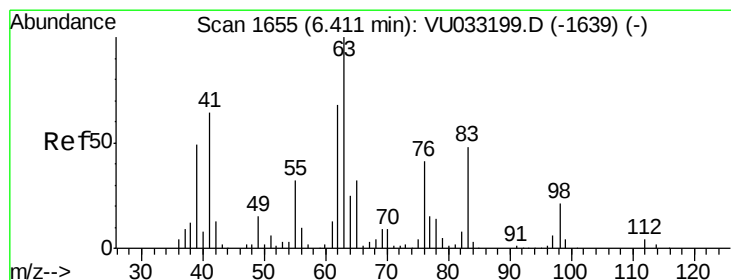
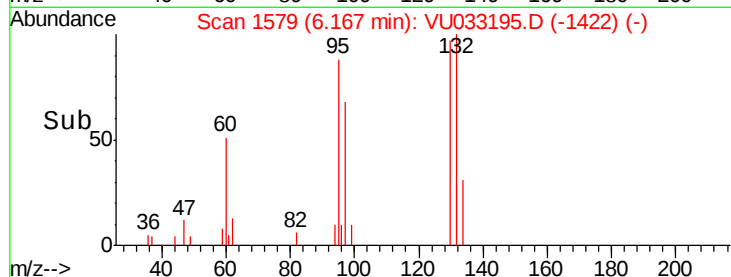
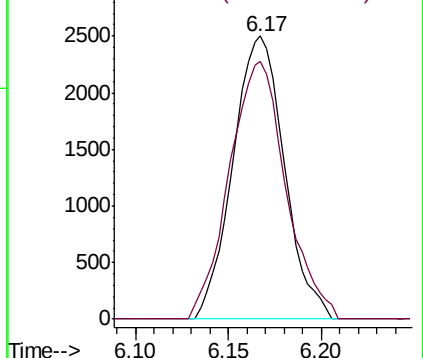
#37
 Trichloroethene
 Concen: 0.503 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 130 Resp: 4815
 Ion Ratio Lower Upper
 130 100
 95 90.9 82.4 123.6

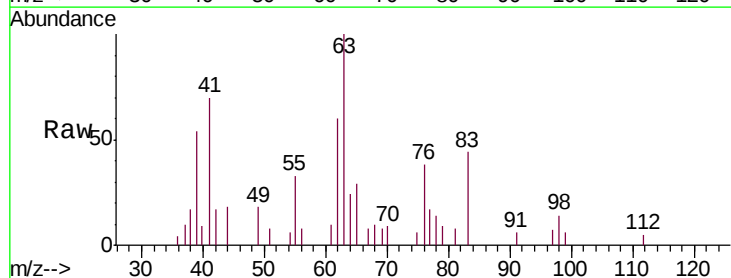


Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)
 Ion 94.90 (94.60 to 95.60): VU033199.D (-1563) (-)

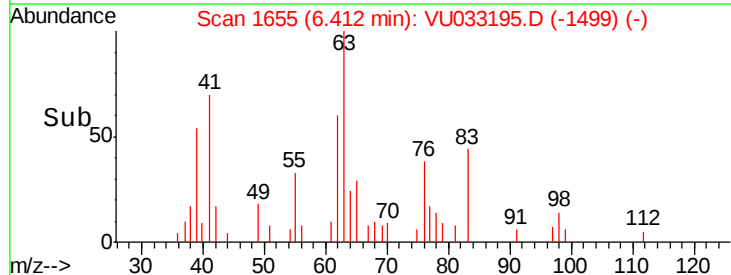
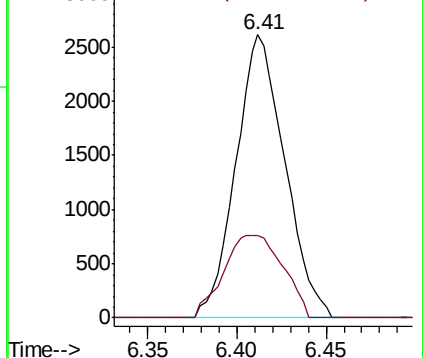


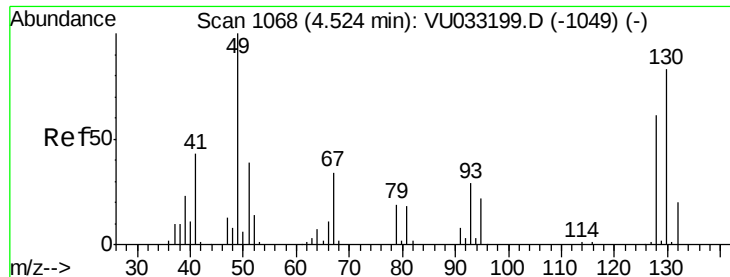
#38
 1,2-Dichloropropane
 Concen: 0.489 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 63 Resp: 4987
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)
 Ion 65.00 (64.70 to 65.70): VU033199.D (-1639) (-)

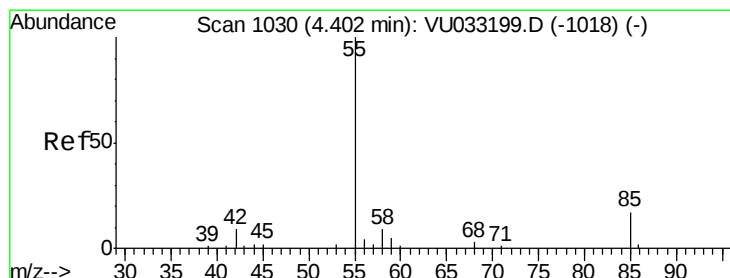
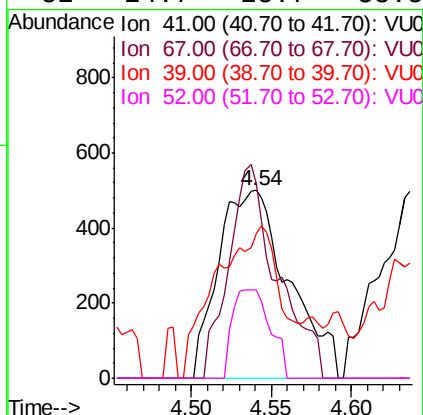
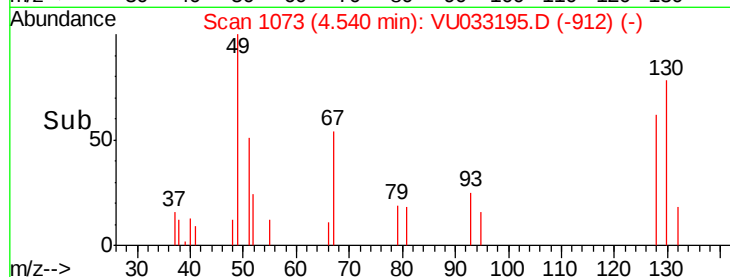
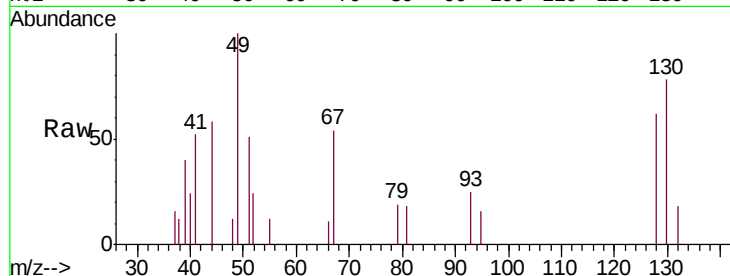




#39
Methacrylonitrile
Concen: 0.549 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. 0.02 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

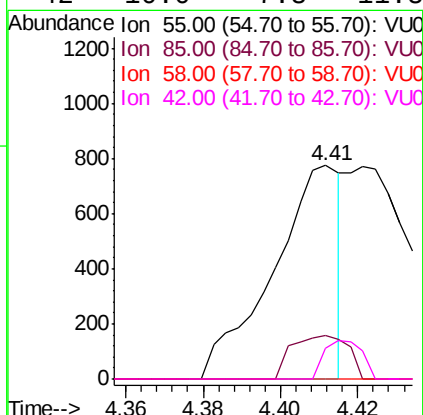
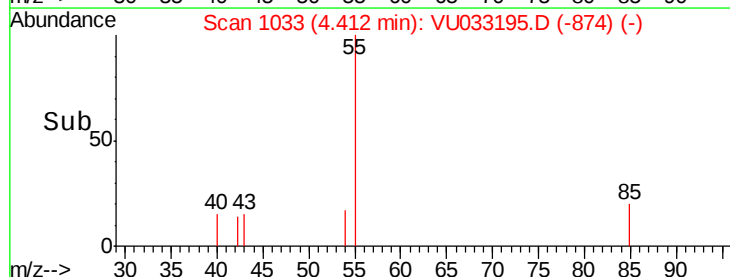
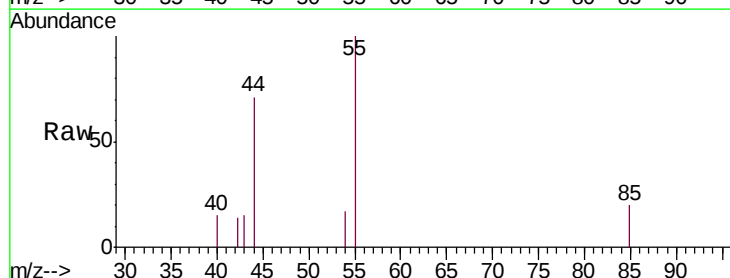
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

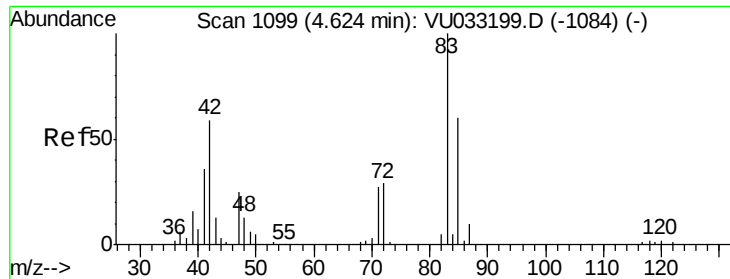
Tgt Ion: 41 Resp: 1516
Ion Ratio Lower Upper
41 100
67 77.4 61.0 91.4
39 73.9 44.4 66.6#
52 24.7 25.7 38.5#



#40
Methyl acrylate
Concen: 0.225 ug/l
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 55 Resp: 937
Ion Ratio Lower Upper
55 100
85 0.0 13.0 19.6#
58 0.0 7.0 10.4#
42 10.0 7.8 11.8

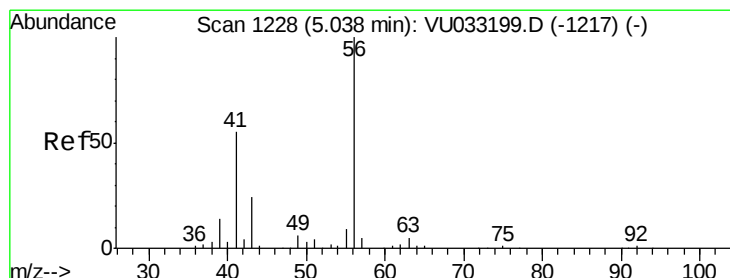
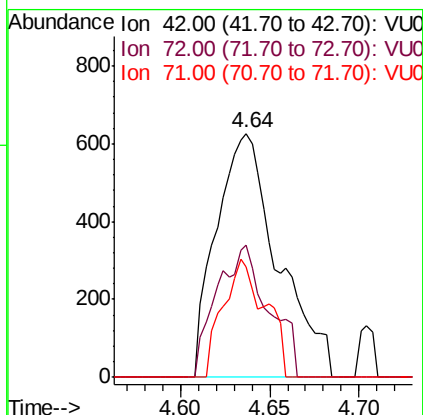
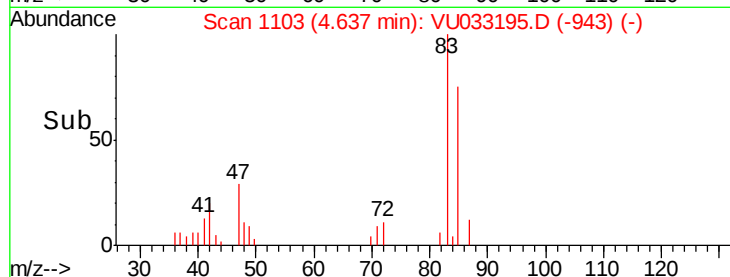
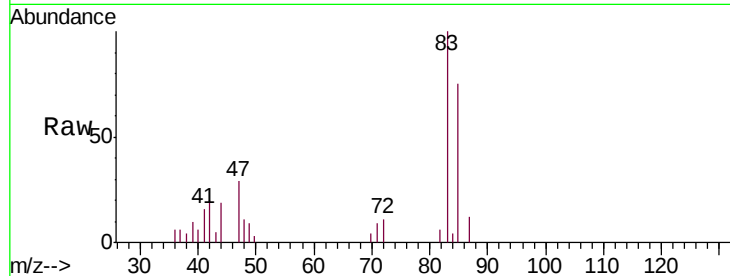




#41
Tetrahydrofuran
Concen: 1.071 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

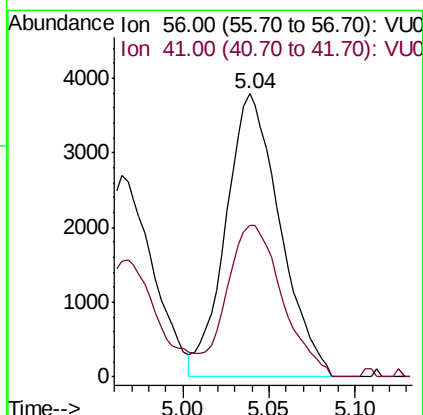
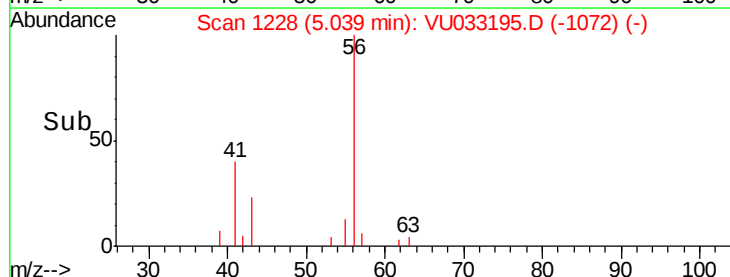
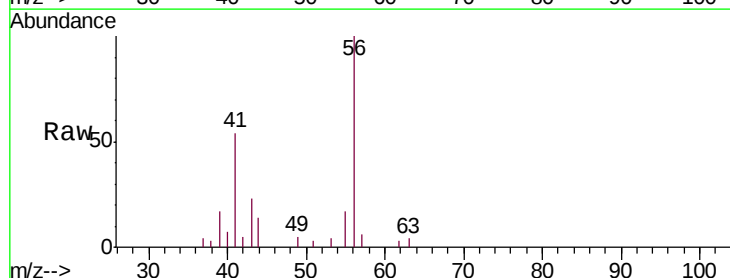
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

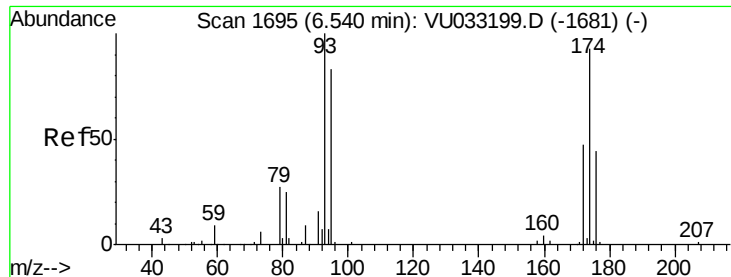
Tgt Ion: 42 Resp: 1509
Ion Ratio Lower Upper
42 100
72 45.4 40.7 61.1
71 33.2 35.4 53.0#



#42
1-Chlorobutane
Concen: 0.479 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 56 Resp: 8293
Ion Ratio Lower Upper
56 100
41 54.7 26.5 79.4





#43

Dibromomethane

Concen: 0.487 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

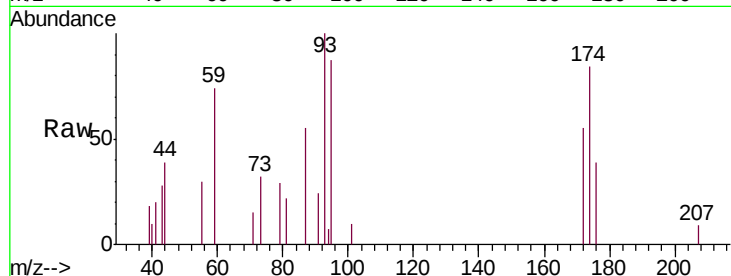
Tgt Ion: 93 Resp: 2610

Ion Ratio Lower Upper

93 100

95 82.7 67.5 101.3

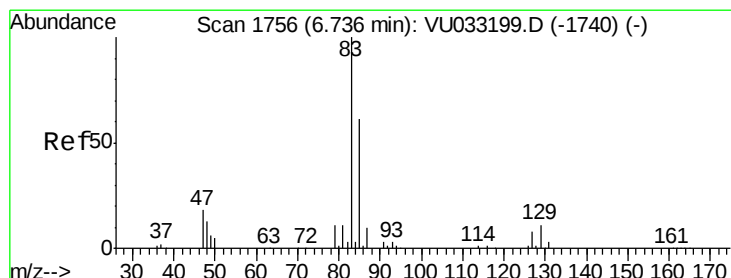
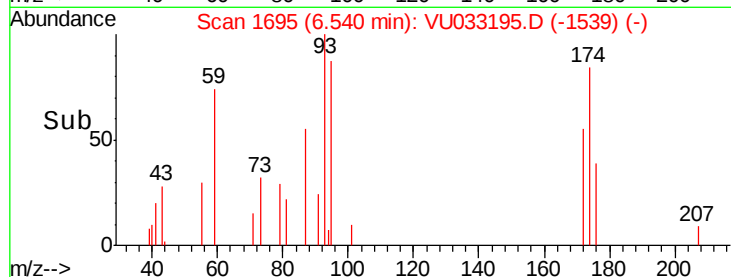
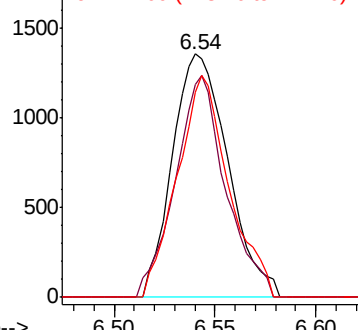
174 84.6 74.2 111.2



Abundance Ion 93.00 (92.70 to 93.70): VU033195.D (-1681) (-)

Ion 95.00 (94.70 to 95.70): VU033195.D (-1681) (-)

Ion 174.00 (173.70 to 174.70): VU033195.D (-1681) (-)



#44

Bromodichloromethane

Concen: 0.510 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

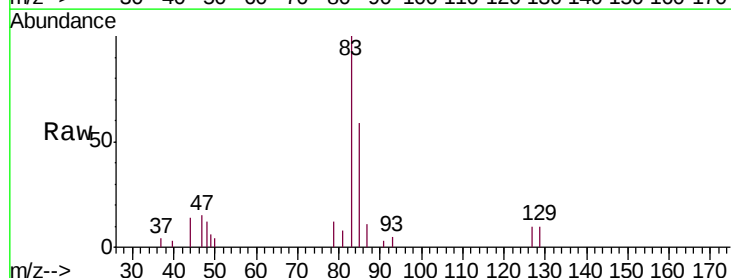
Tgt Ion: 83 Resp: 6796

Ion Ratio Lower Upper

83 100

85 58.8 49.1 73.7

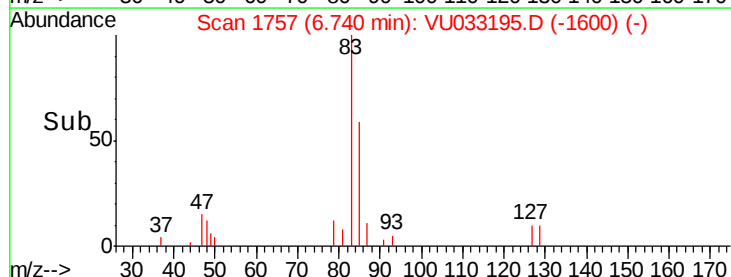
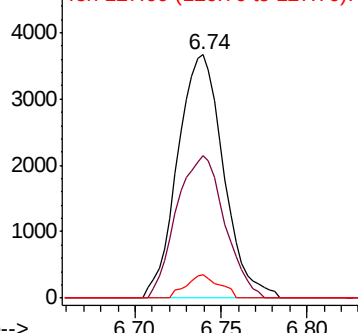
127 9.7 6.6 9.8

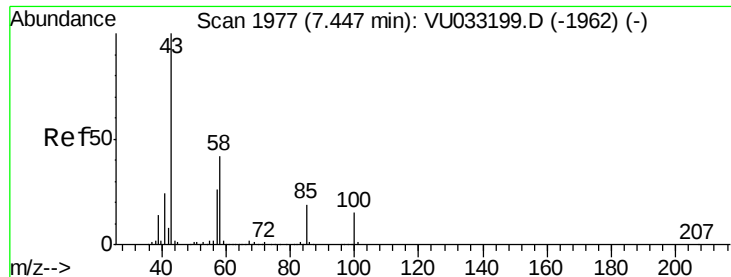


Abundance Ion 83.00 (82.70 to 83.70): VU033195.D (-1740) (-)

Ion 85.00 (84.70 to 85.70): VU033195.D (-1740) (-)

Ion 127.00 (126.70 to 127.70): VU033195.D (-1740) (-)

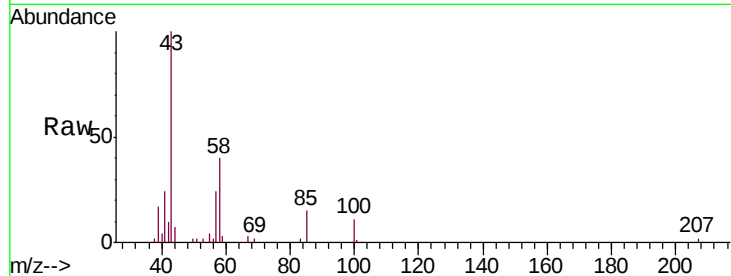




#45
4-Methyl-2-Pentanone
Concen: 2.414 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	20.4	61.2
85	15.7	14.7	22.1

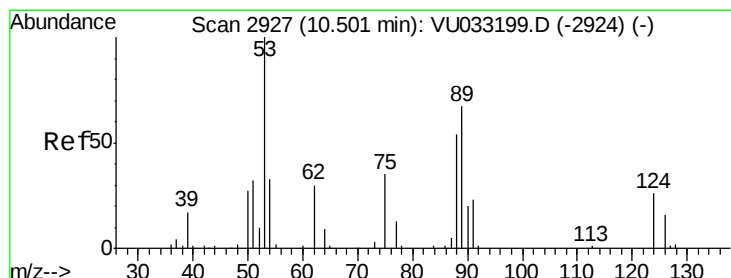
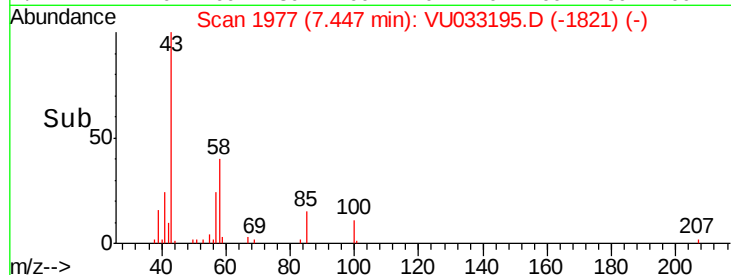
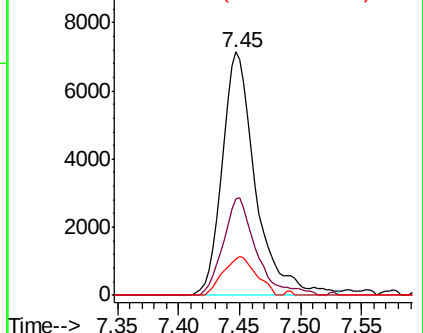


Abundance

Ion 43.00 (42.70 to 43.70): VU0

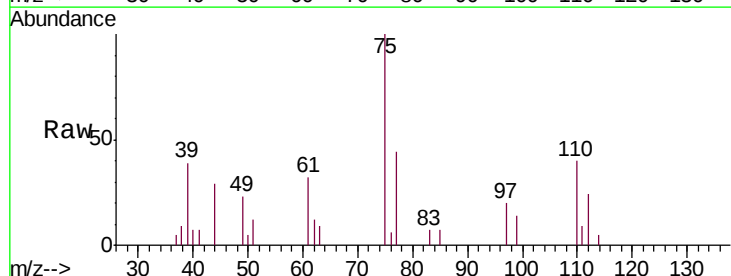
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 2.368 ug/l
RT: 10.48 min Scan# 2920
Delta R.T. -0.02 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
53	31.6	63.8	95.6#
89	19.0	44.0	66.0#
88	19.1	34.0	51.0#



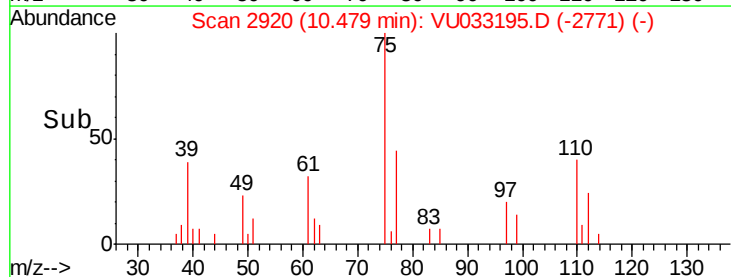
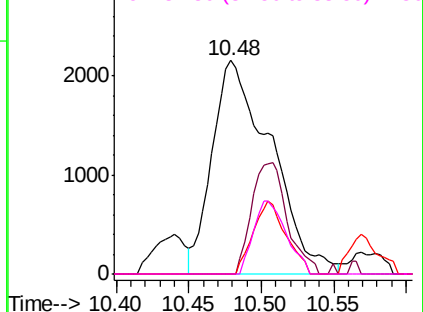
Abundance

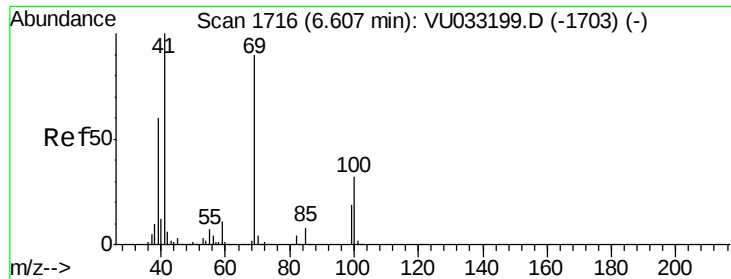
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0

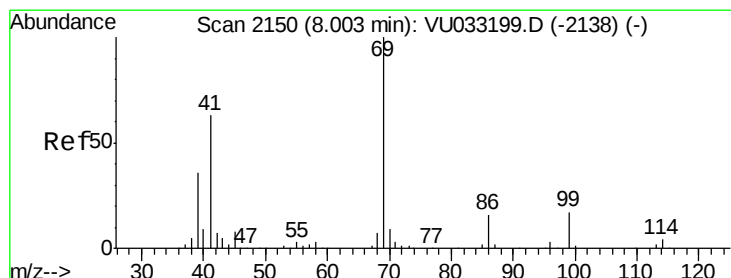
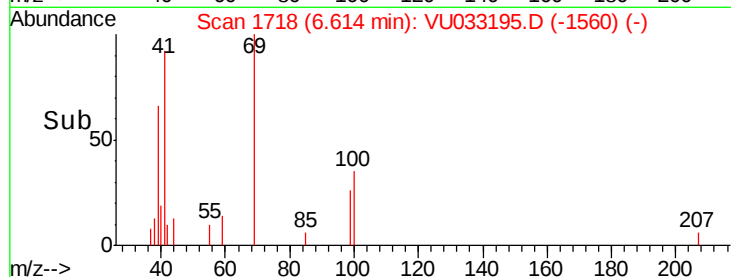
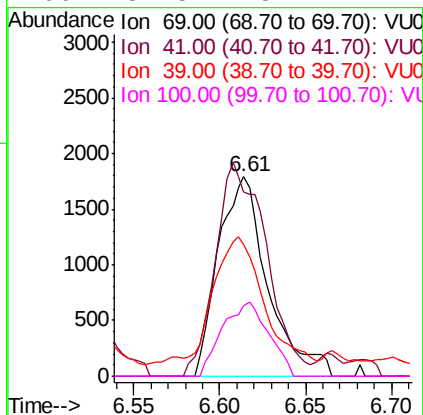
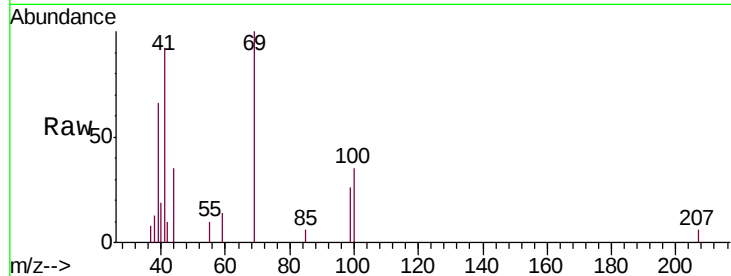




#47
Methyl methacrylate
Concen: 0.864 ug/l
RT: 6.61 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

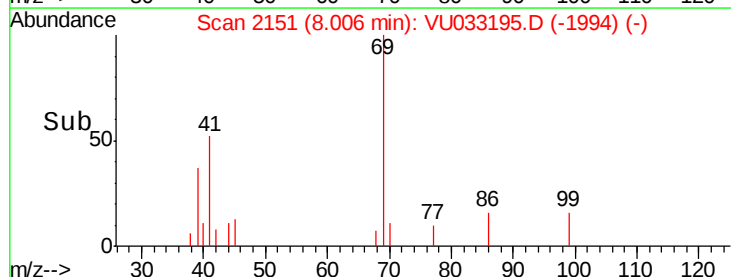
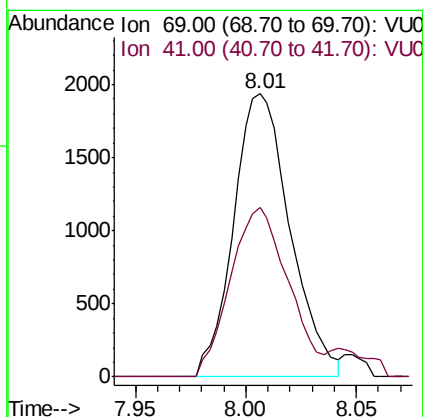
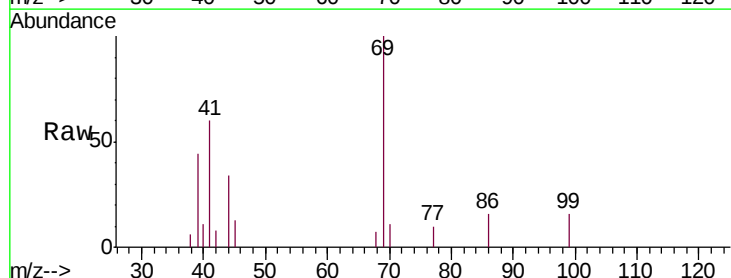
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

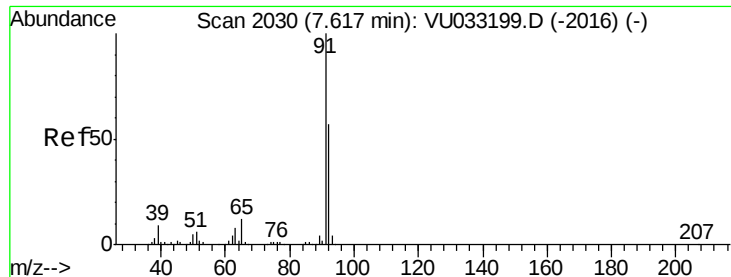
Tgt Ion: 69 Resp: 3592
Ion Ratio Lower Upper
69 100
41 110.1 0.0 217.0
39 67.9 52.1 78.1
100 34.5 28.2 42.4



#48
Ethyl methacrylate
Concen: 0.448 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 69 Resp: 3446
Ion Ratio Lower Upper
69 100
41 61.4 31.3 93.8





#49

Toluene

Concen: 0.448 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

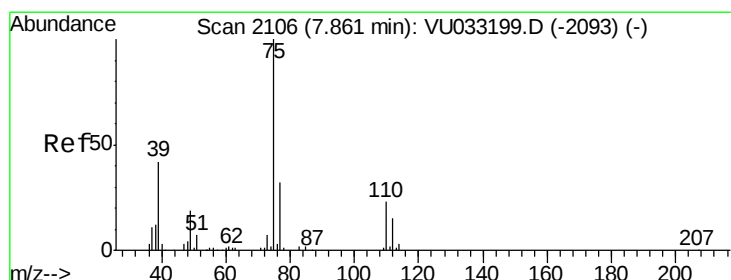
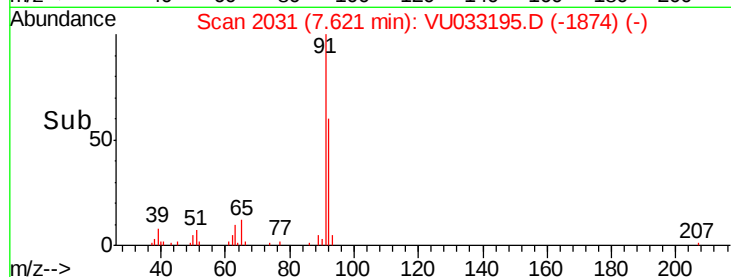
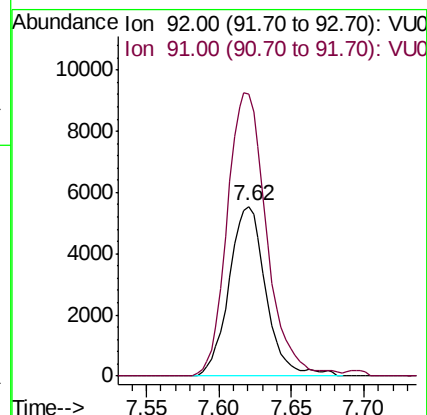
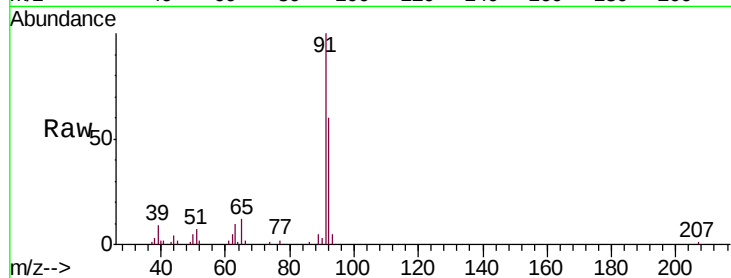
VSTDIC0.5

Tgt Ion: 92 Resp: 9789

Ion Ratio Lower Upper

92 100

91 176.3 141.2 211.8



#50

t-1,3-Dichloropropene

Concen: 0.463 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033195.D

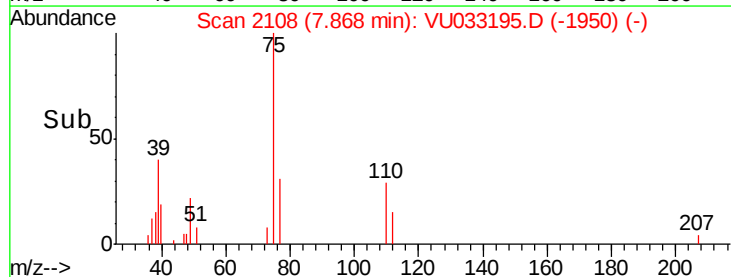
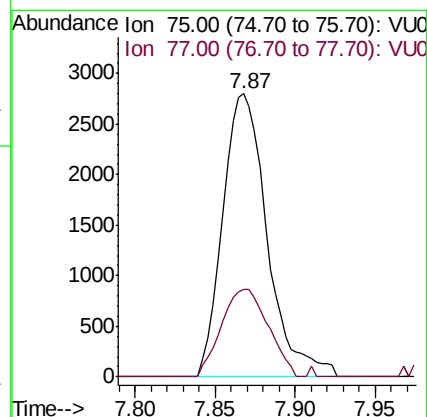
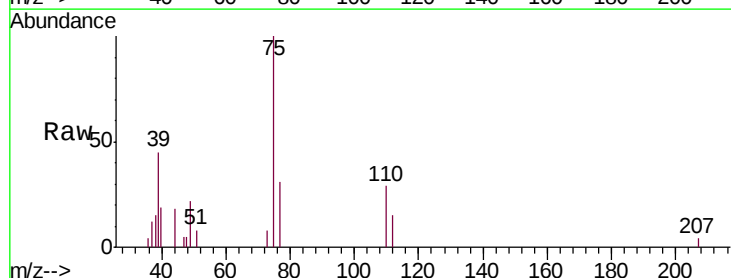
Acq: 11 Jul 2019 16:26

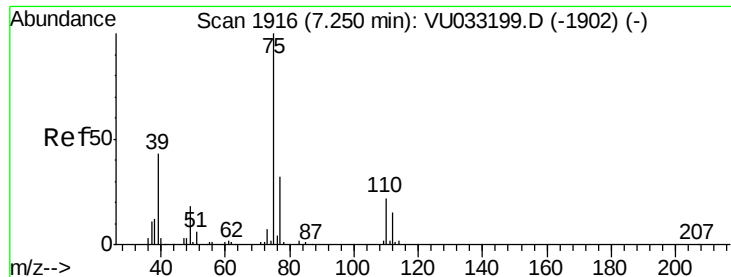
Tgt Ion: 75 Resp: 5320

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

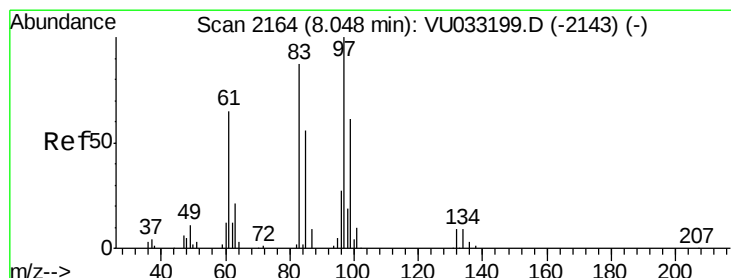
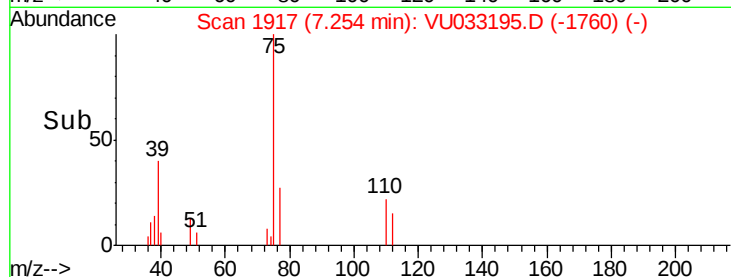
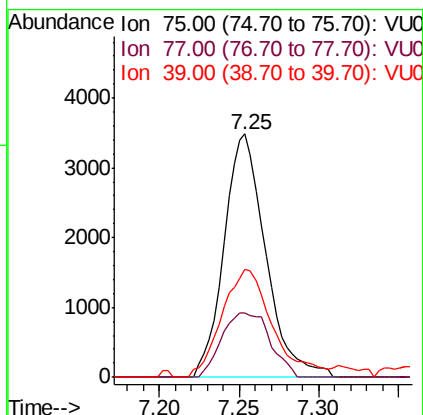
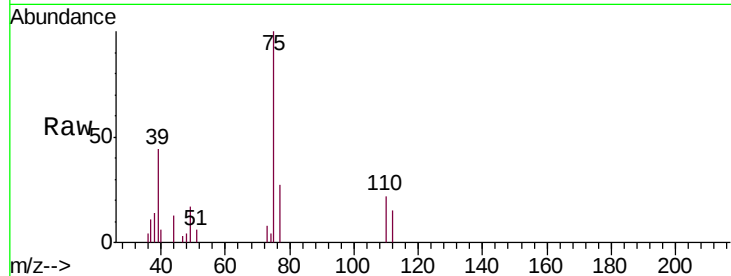




#51
 cis-1,3-Dichloropropene
 Concen: 0.458 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

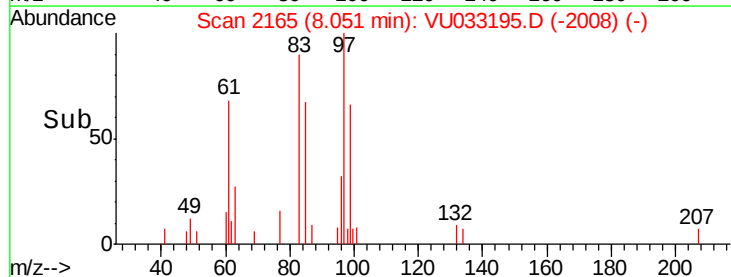
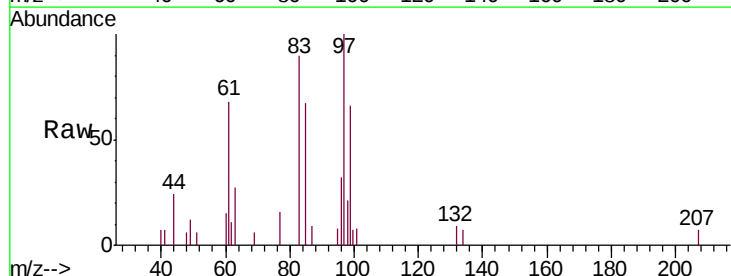
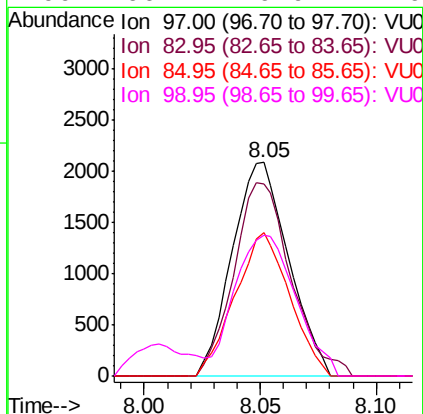
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

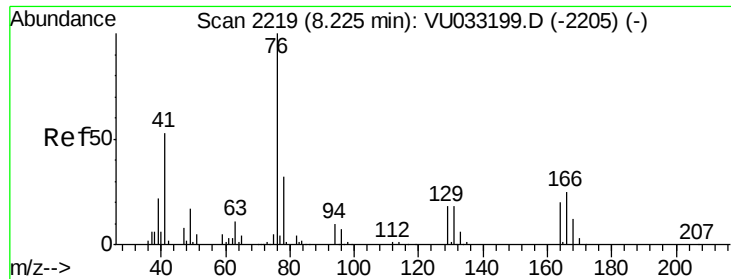
Tgt Ion: 75 Resp: 6199
 Ion Ratio Lower Upper
 75 100
 77 26.7 25.4 38.0
 39 44.2 34.5 51.7



#52
 1,1,2-Trichloroethane
 Concen: 0.476 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 97 Resp: 3515
 Ion Ratio Lower Upper
 97 100
 83 90.0 69.9 104.9
 85 67.3 45.2 67.8
 99 66.1 49.9 74.9

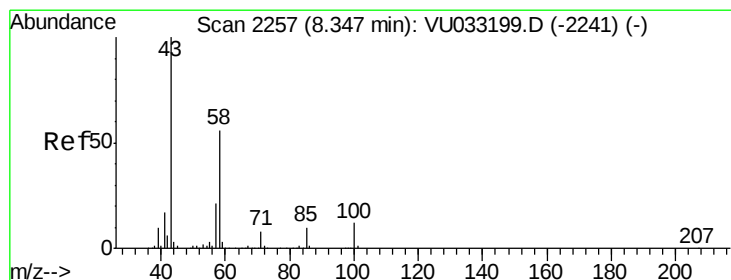
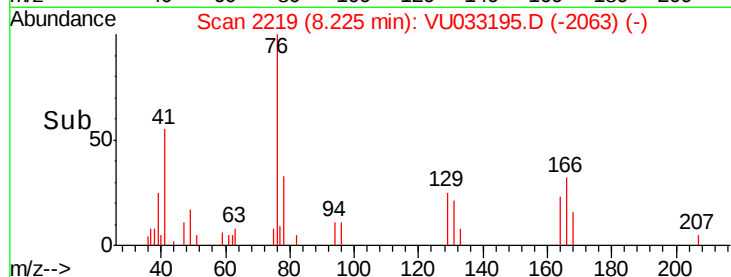
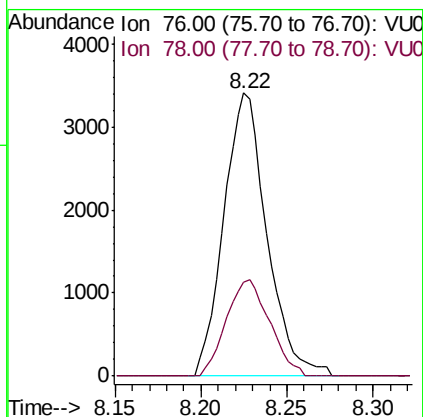
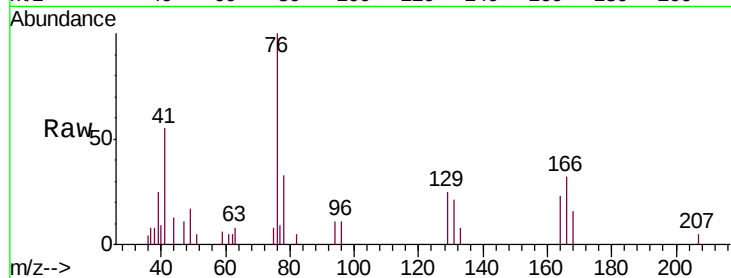




#53
 1,3-Dichloropropane
 Concen: 0.478 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

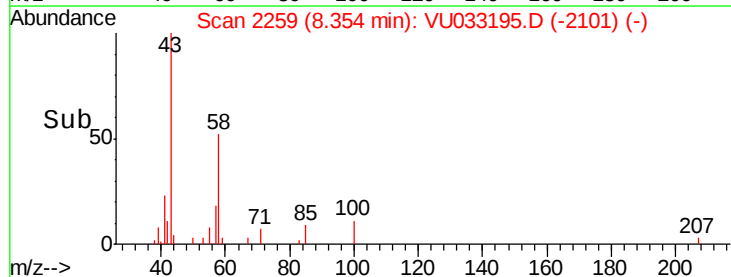
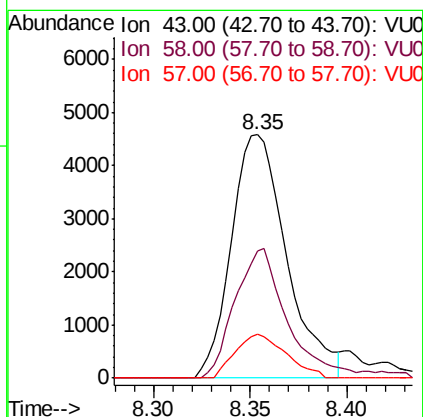
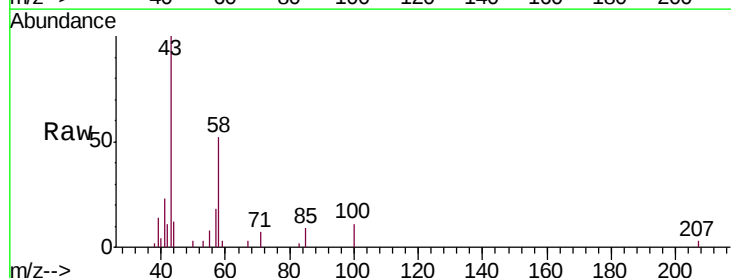
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

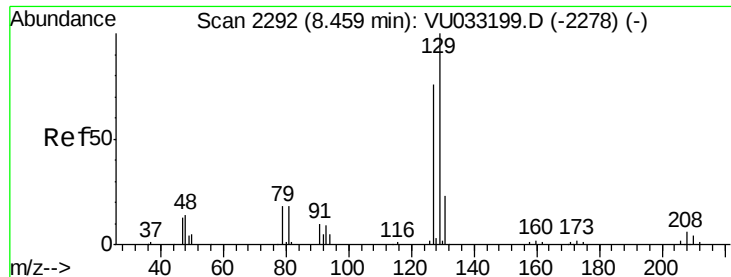
Tgt Ion: 76 Resp: 5925
 Ion Ratio Lower Upper
 76 100
 78 34.3 25.9 38.9



#54
 2-Hexanone
 Concen: 2.358 ug/l
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.01 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 43 Resp: 9125
 Ion Ratio Lower Upper
 43 100
 58 51.7 35.8 75.8
 57 16.5 0.2 40.2





#55

Dibromochloromethane

Concen: 0.468 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

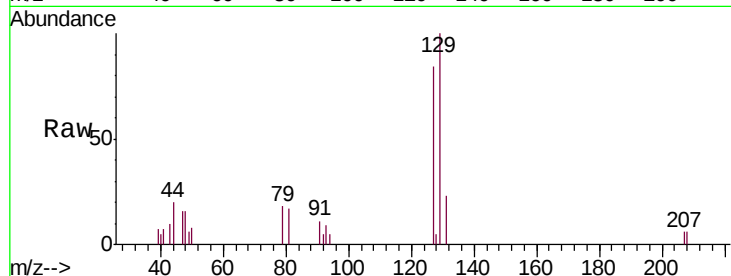
VSTDIC0.5

Tgt Ion:129 Resp: 4036

Ion Ratio Lower Upper

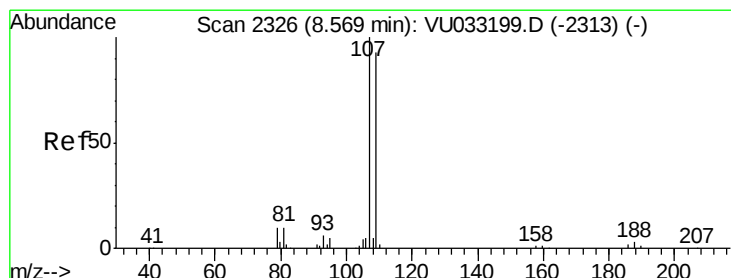
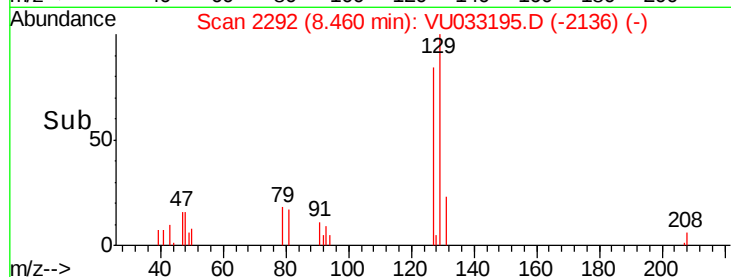
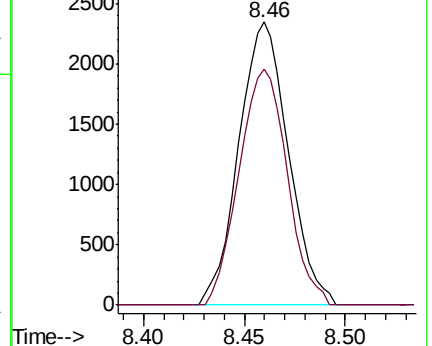
129 100

127 81.2 62.9 94.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.468 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033195.D

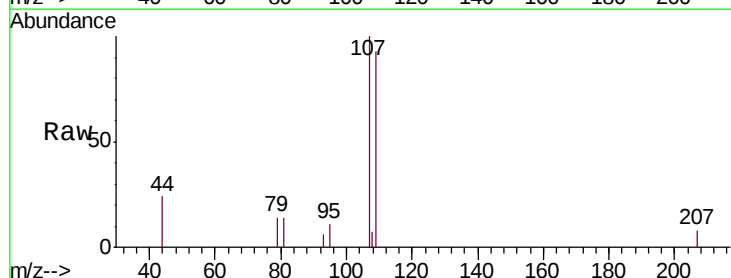
Acq: 11 Jul 2019 16:26

Tgt Ion:107 Resp: 3157

Ion Ratio Lower Upper

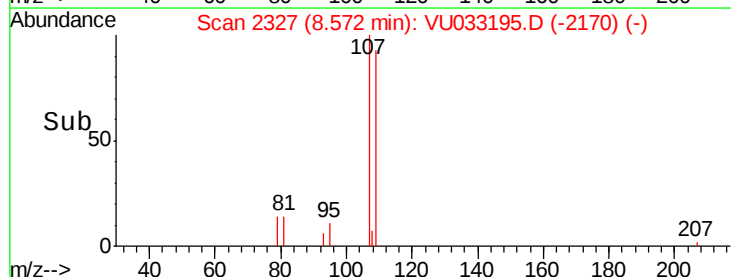
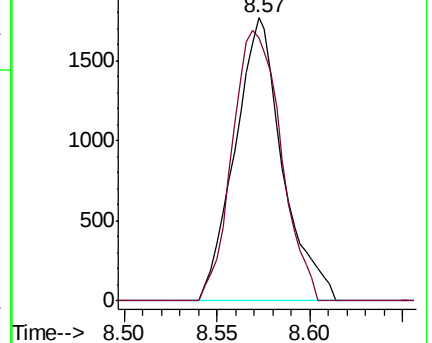
107 100

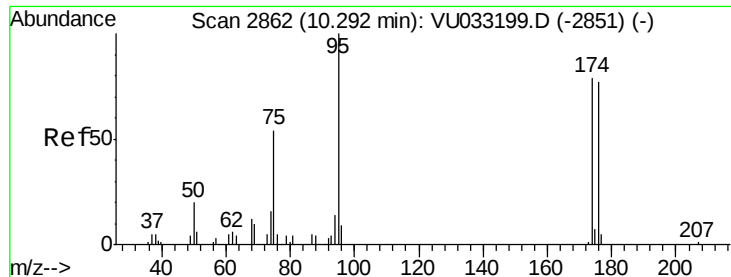
109 98.0 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.882 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

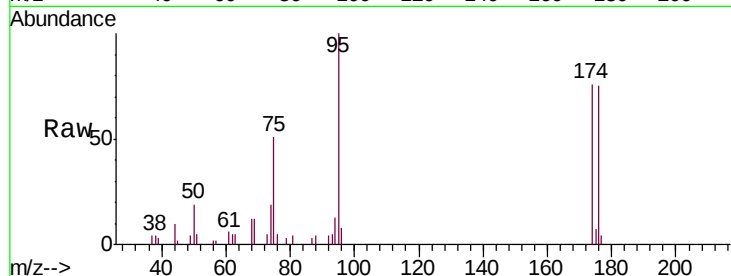
Tgt Ion: 95 Resp: 10358

Ion Ratio Lower Upper

95 100

174 78.1 63.8 95.8

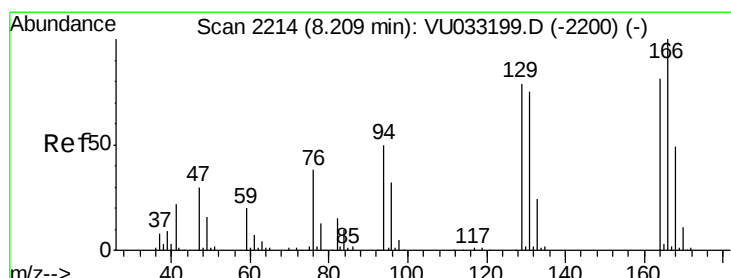
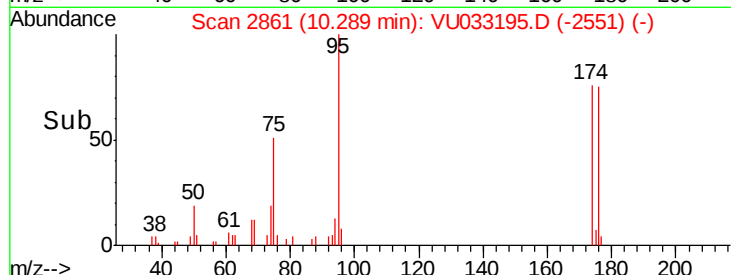
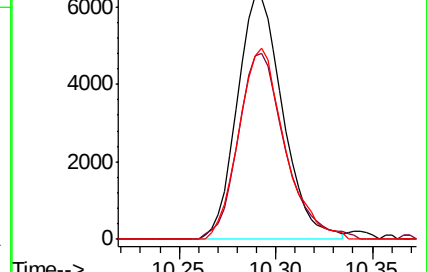
176 78.6 64.5 96.7



Abundance Ion 95.00 (94.70 to 95.70): VU033199.D (-2851) (-)

Ion 174.00 (173.70 to 174.70): VU033199.D (-2851) (-)

Ion 176.00 (175.70 to 176.70): VU033199.D (-2851) (-)



#58

Tetrachloroethene

Concen: 0.491 ug/l

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion: 164 Resp: 4300

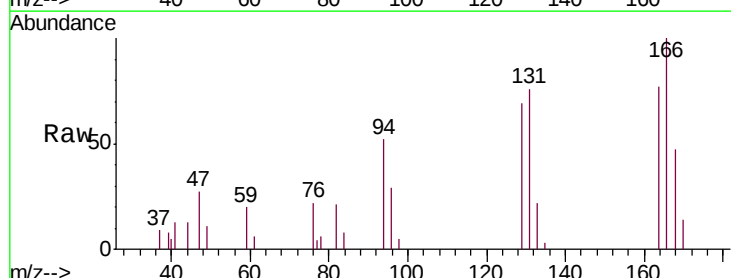
Ion Ratio Lower Upper

164 100

166 129.7 99.3 148.9

129 89.5 78.0 117.0

131 97.9 74.5 111.7

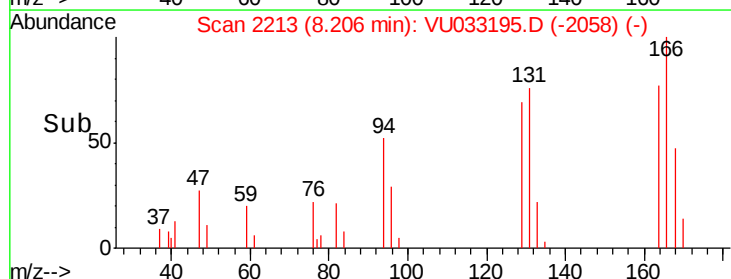
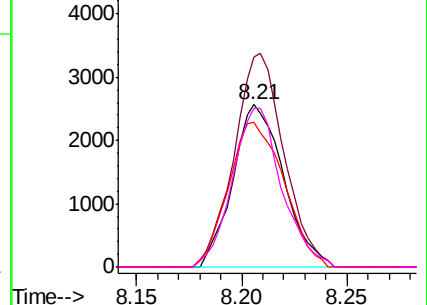


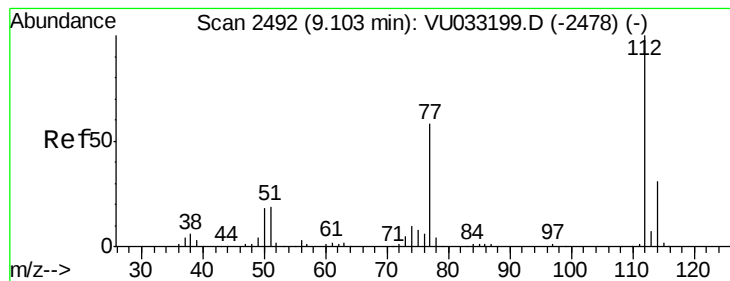
Abundance Ion 163.85 (163.55 to 164.55): VU033199.D (-2200) (-)

Ion 165.80 (165.50 to 166.50): VU033199.D (-2200) (-)

Ion 128.90 (128.60 to 129.60): VU033199.D (-2200) (-)

Ion 130.90 (130.60 to 131.60): VU033199.D (-2200) (-)





#59

Chlorobenzene

Concen: 0.465 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

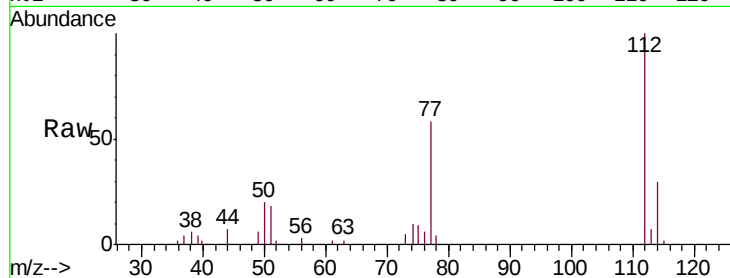
VSTDIC0.5

Tgt Ion:112 Resp: 11309

Ion Ratio Lower Upper

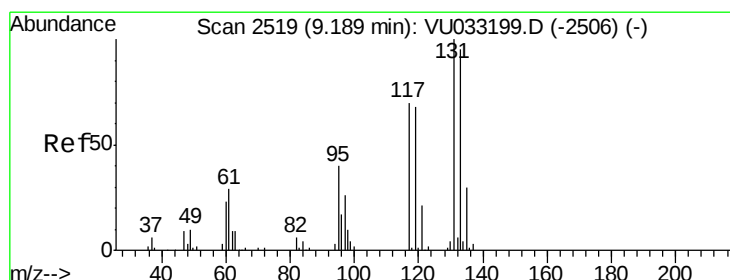
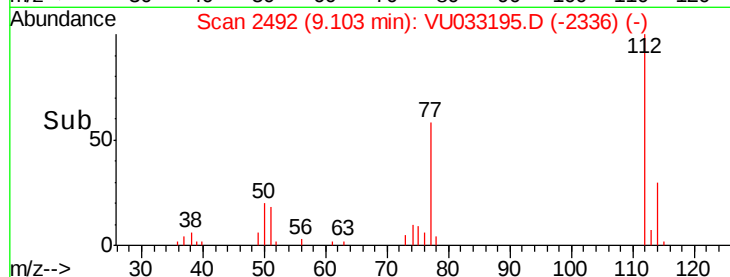
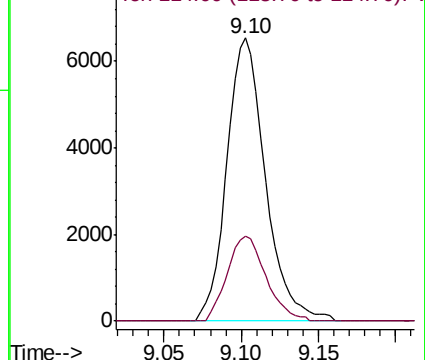
112 100

114 30.0 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.479 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

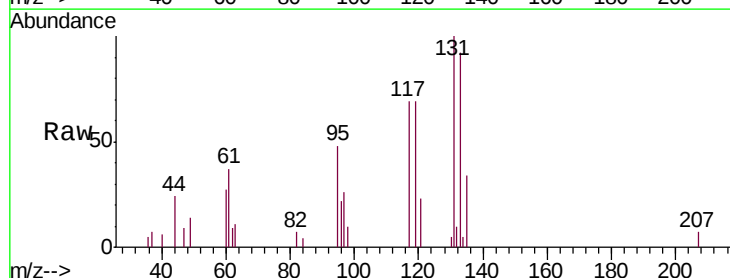
Tgt Ion:131 Resp: 4461

Ion Ratio Lower Upper

131 100

133 88.1 76.7 115.1

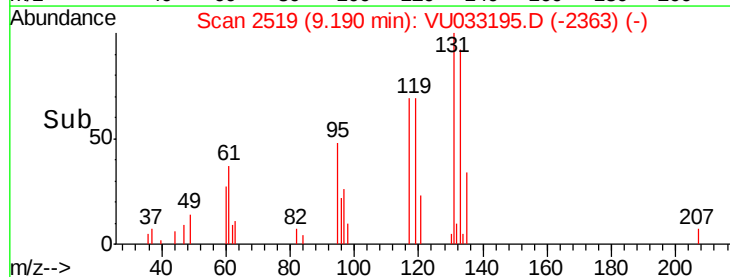
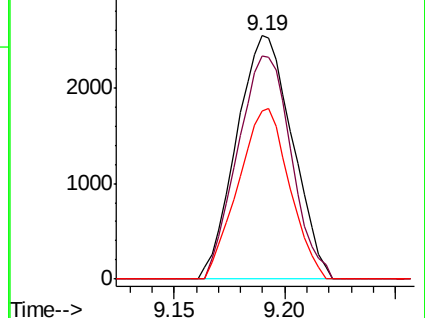
119 64.1 54.2 81.2

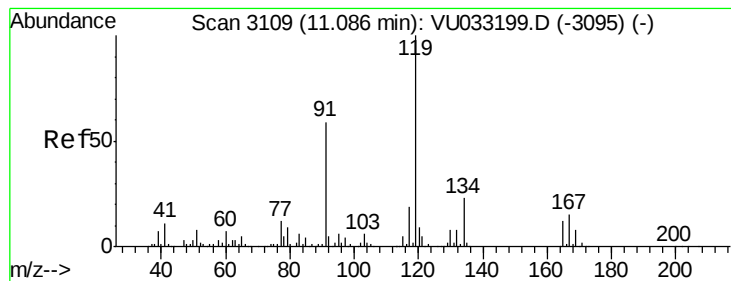


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.416 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

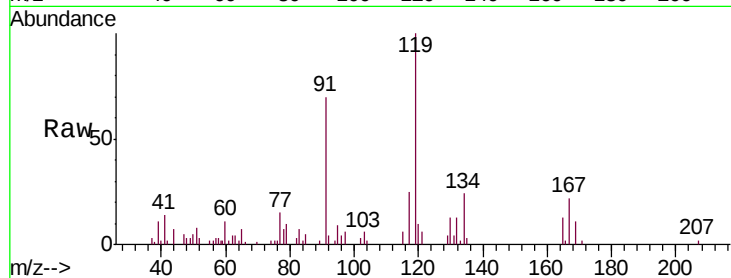
VSTDIC0.5

Tgt Ion:117 Resp: 3148

Ion Ratio Lower Upper

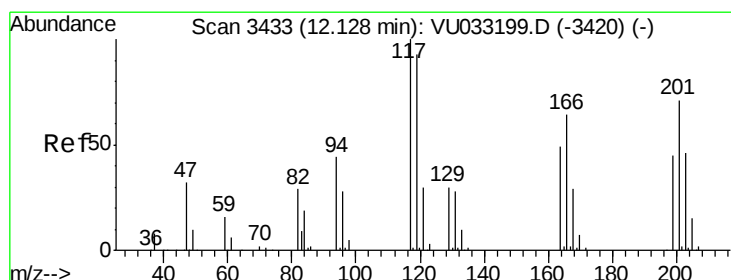
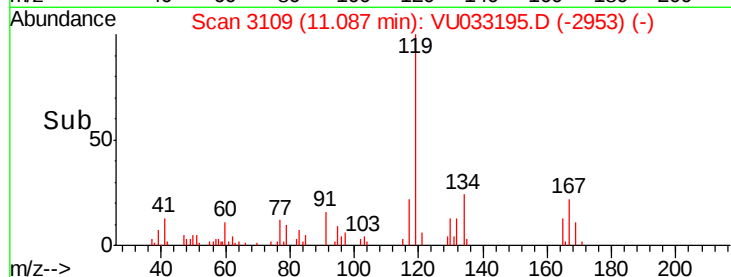
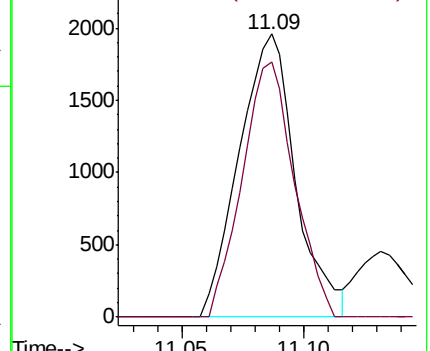
117 100

167 83.0 63.6 95.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.426 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VU033195.D

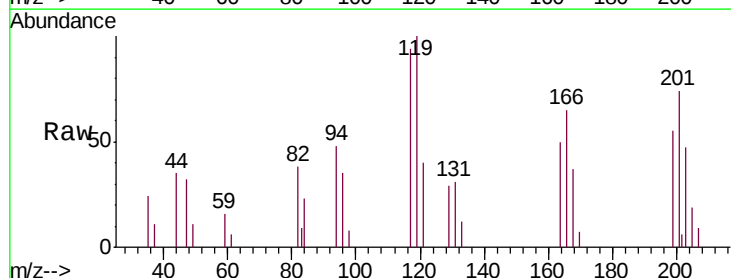
Acq: 11 Jul 2019 16:26

Tgt Ion:117 Resp: 3095

Ion Ratio Lower Upper

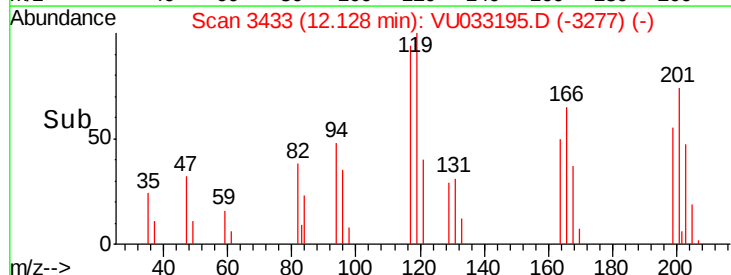
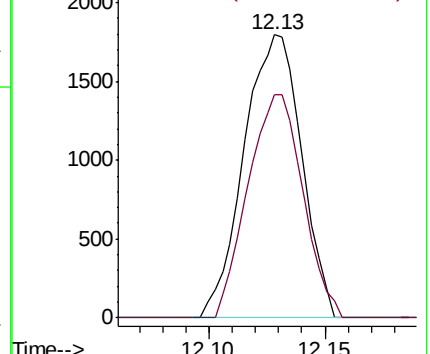
117 100

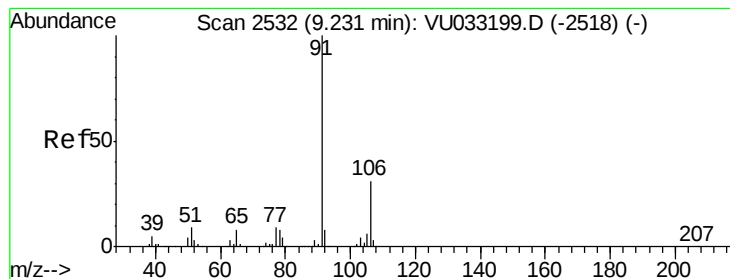
201 75.3 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.428 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

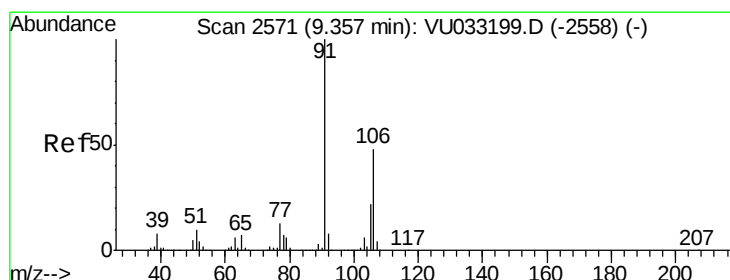
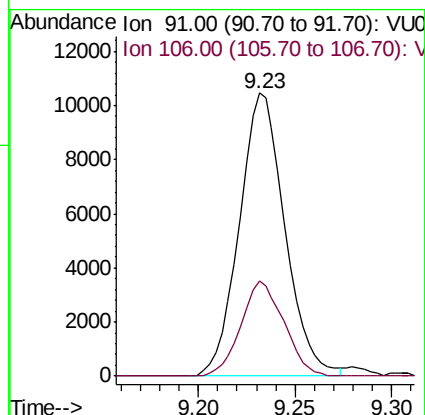
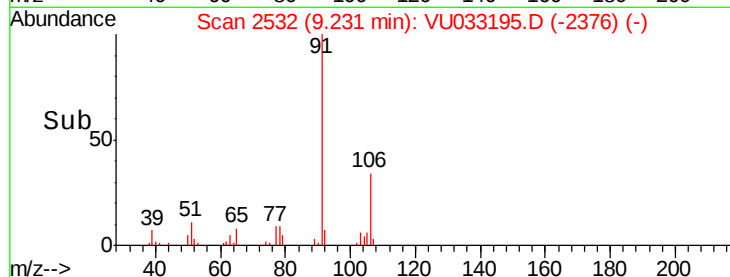
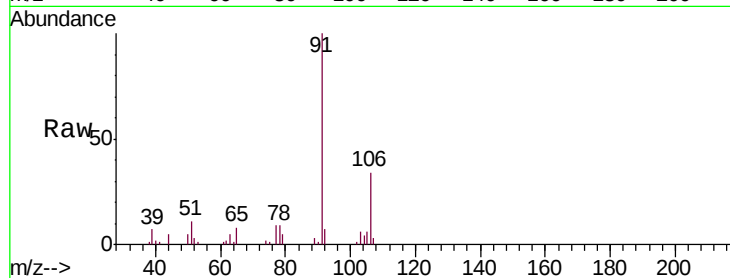
VSTDIC0.5

Tgt Ion: 91 Resp: 17135

Ion Ratio Lower Upper

91 100

106 33.5 24.9 37.3



#64

m/p-Xylenes

Concen: 0.816 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033195.D

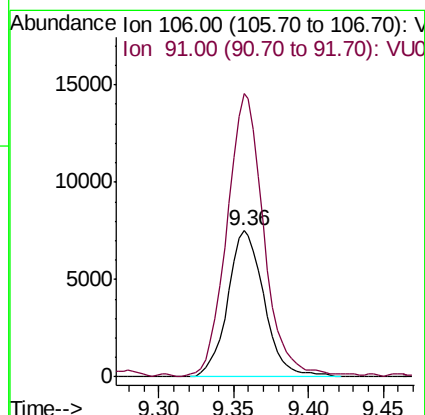
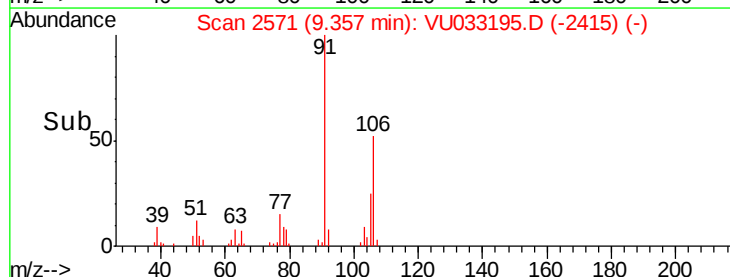
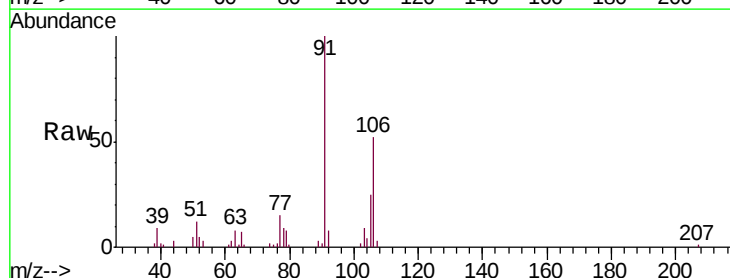
Acq: 11 Jul 2019 16:26

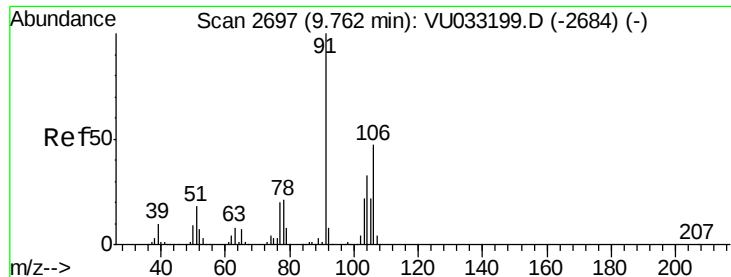
Tgt Ion: 106 Resp: 12731

Ion Ratio Lower Upper

106 100

91 197.5 164.8 247.2

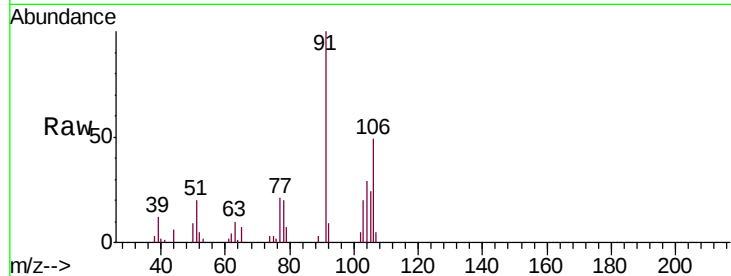




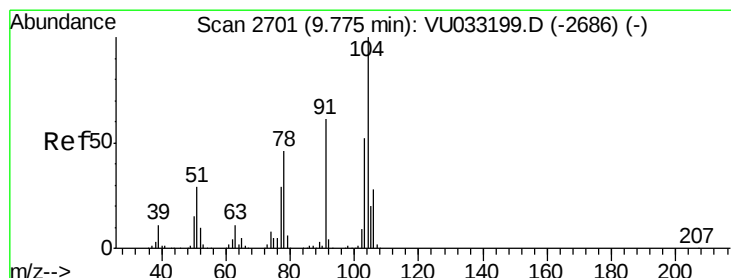
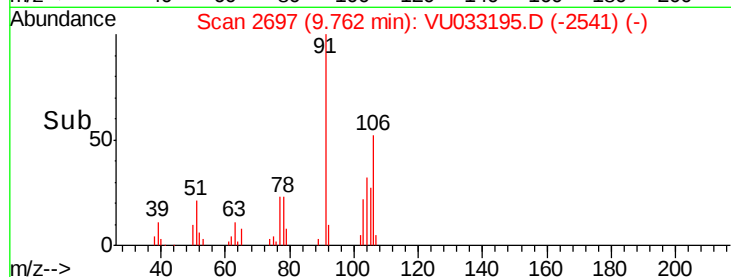
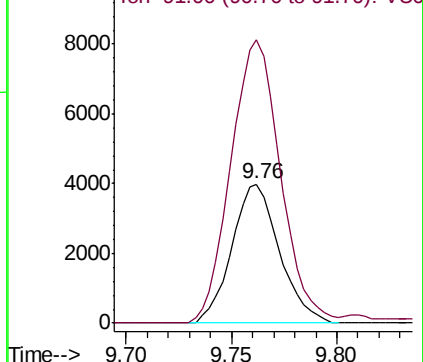
#65
o-Xylene
Concen: 0.417 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 6252
Ion Ratio Lower Upper
106 100
91 212.8 108.6 325.8

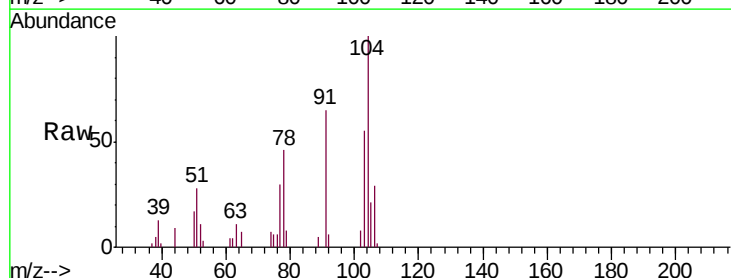


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

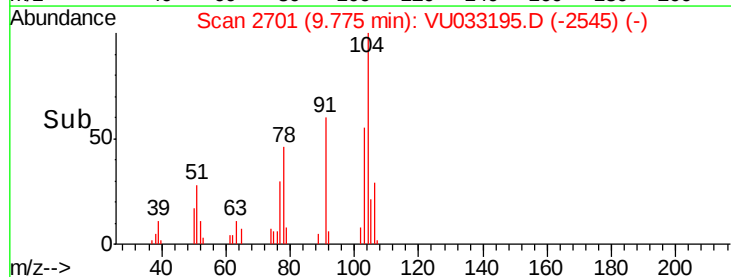
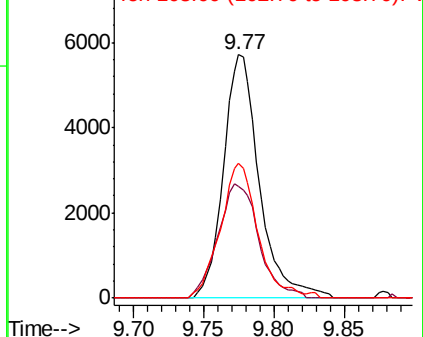


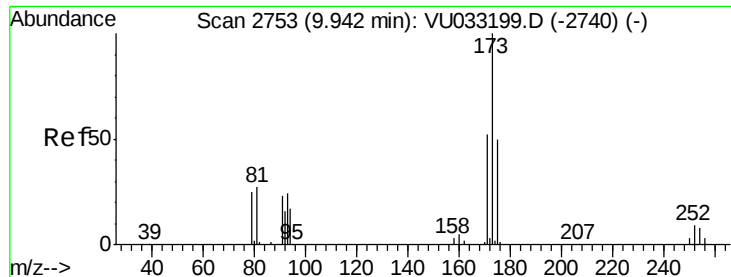
#66
Styrene
Concen: 0.402 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:104 Resp: 10152
Ion Ratio Lower Upper
104 100
78 53.2 40.4 60.6
103 58.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.490 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

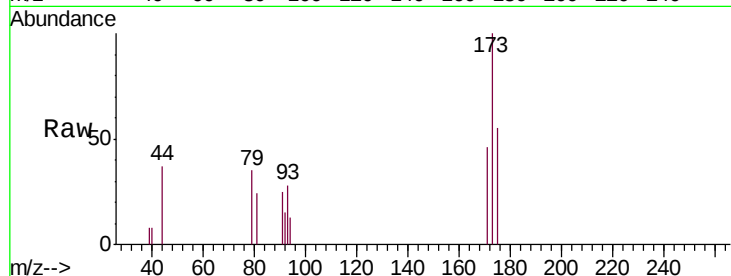
Tgt Ion:173 Resp: 2311

Ion Ratio Lower Upper

173 100

175 50.6 39.4 59.0

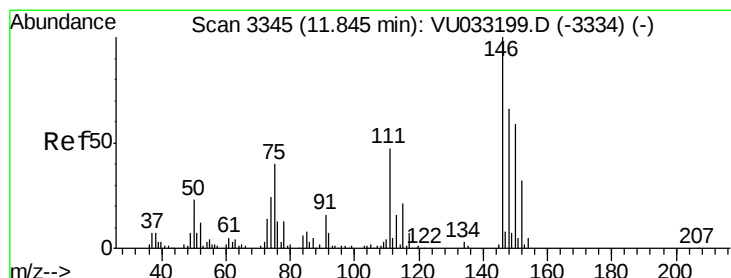
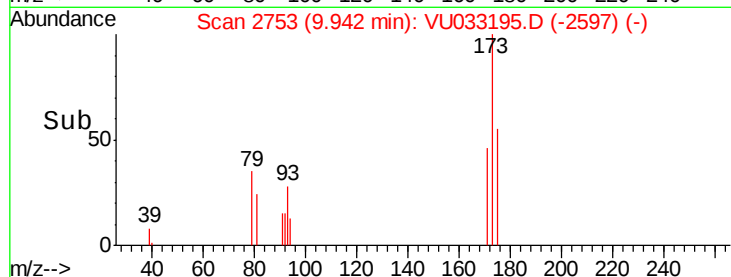
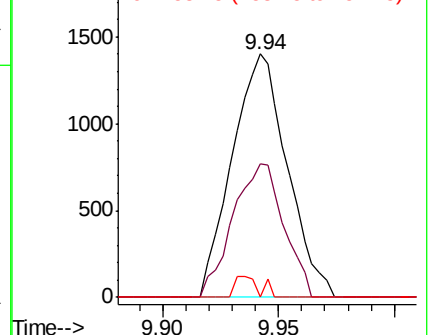
254 3.8 6.9 10.3#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.954 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

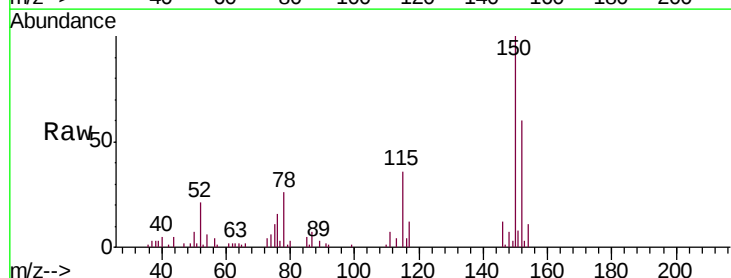
Tgt Ion:152 Resp: 11534

Ion Ratio Lower Upper

152 100

115 65.9 0.0 131.0

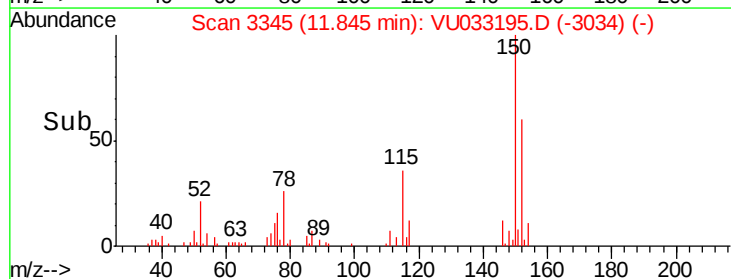
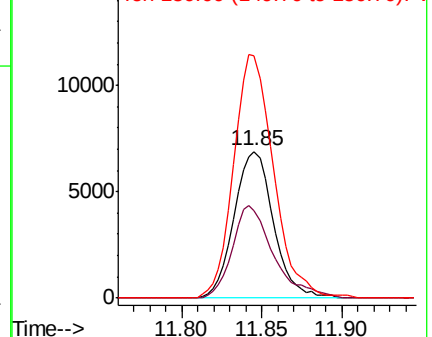
150 168.7 0.0 634.4

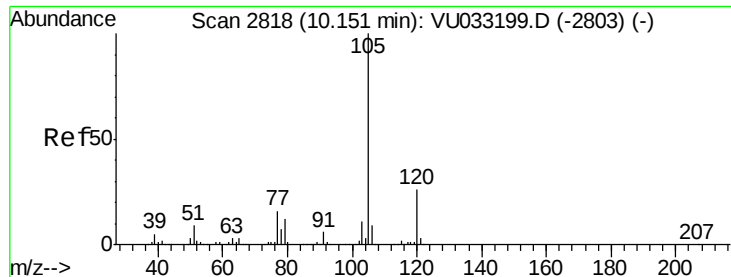


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.403 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

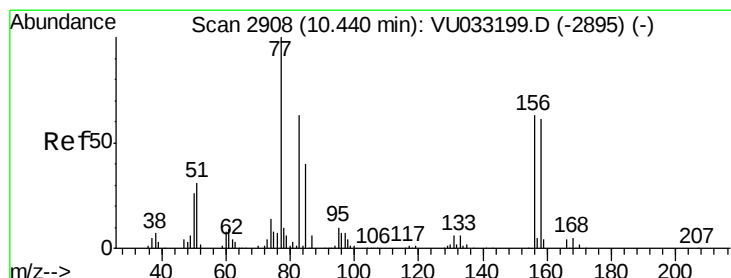
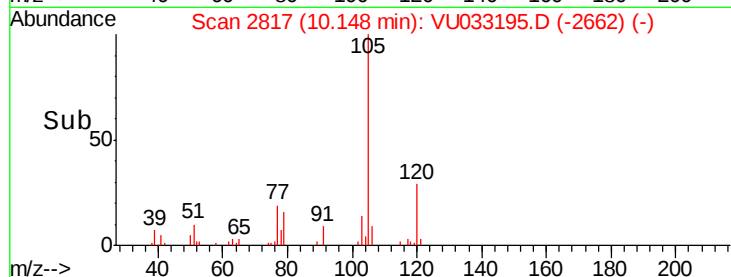
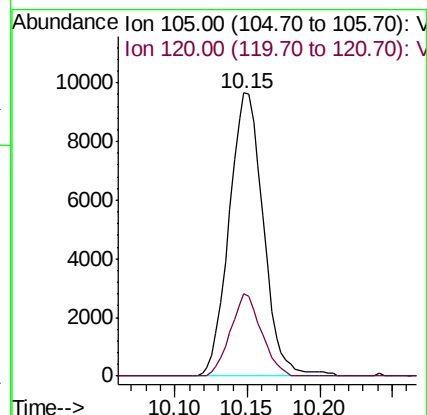
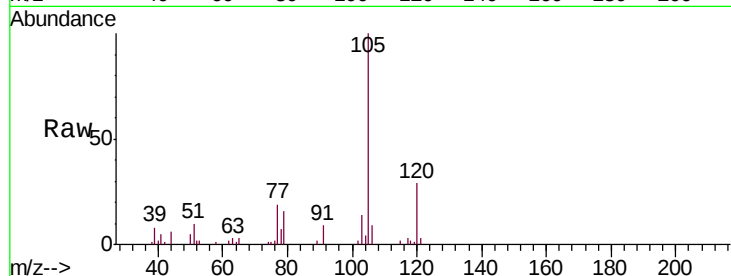
VSTDIC0.5

Tgt Ion:105 Resp: 15750

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.518 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

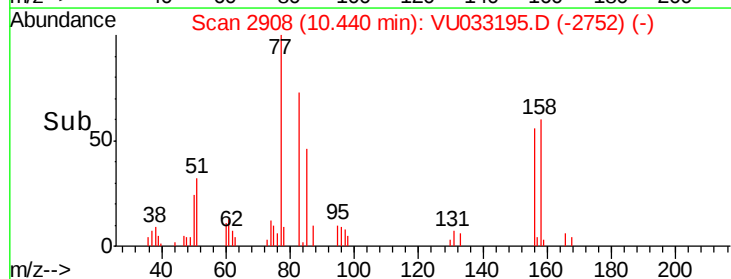
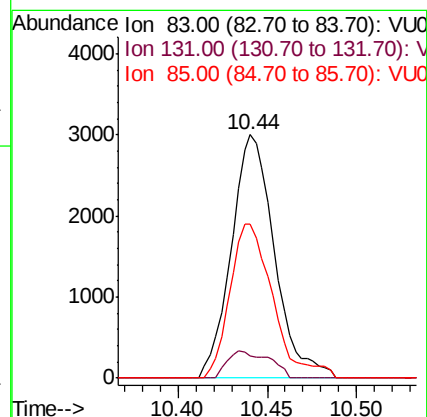
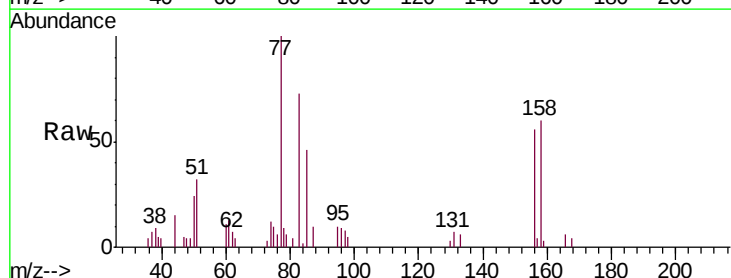
Tgt Ion: 83 Resp: 5062

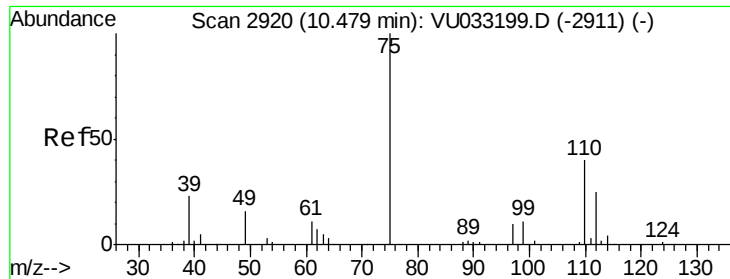
Ion Ratio Lower Upper

83 100

131 10.8 8.0 12.0

85 62.8 50.6 76.0

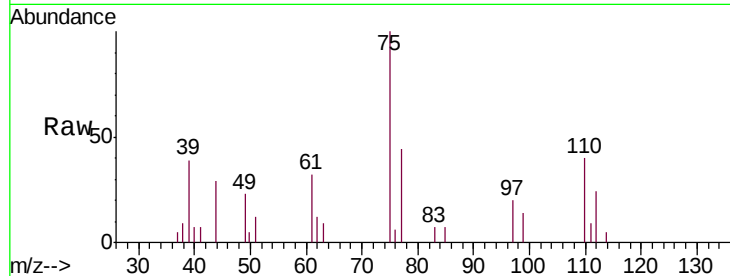




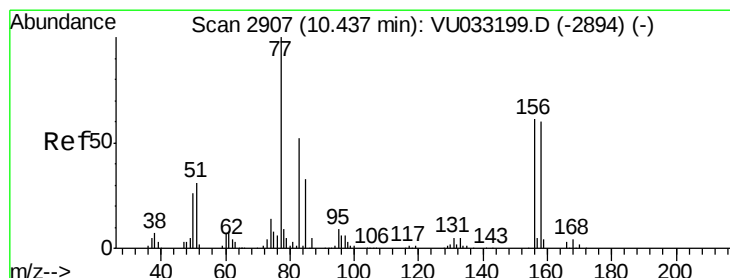
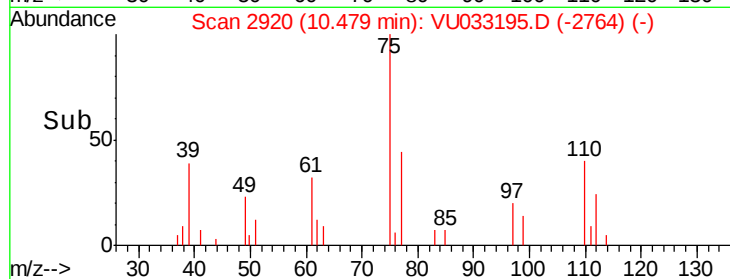
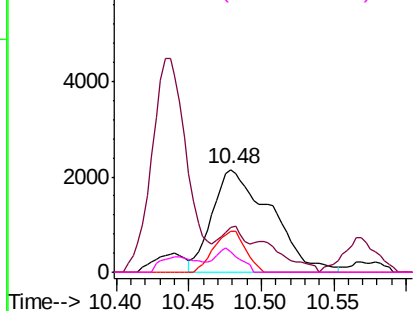
#71
1,2,3-Trichloropropane
Concen: 0.864 ug/l
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 6073
Ion Ratio Lower Upper
75 100
77 5.9 0.0 15.4
110 21.2 0.0 72.2
97 9.3 0.0 37.2

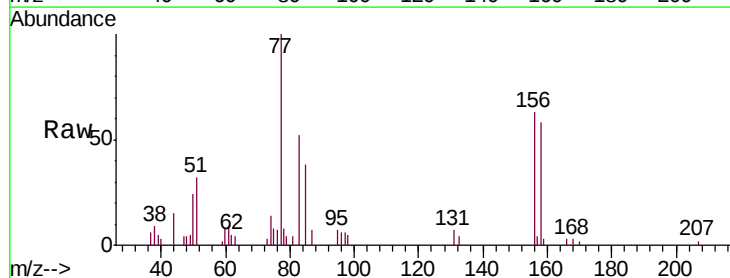


Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 97.00 (96.70 to 97.70): VU0

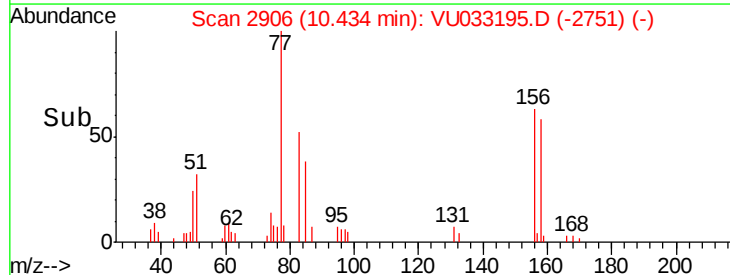
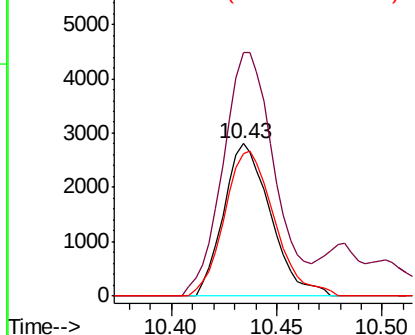


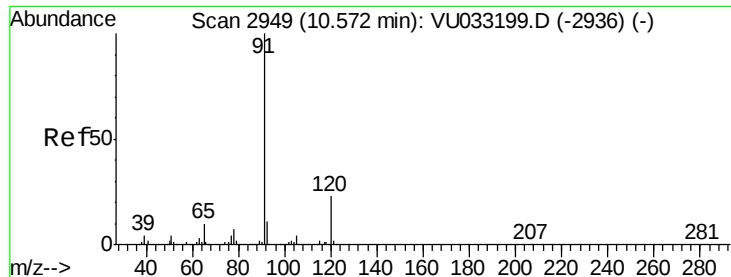
#72
Bromobenzene
Concen: 0.435 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 156 Resp: 4341
Ion Ratio Lower Upper
156 100
77 175.3 0.0 326.0
158 101.2 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 158.00 (157.70 to 158.70): V

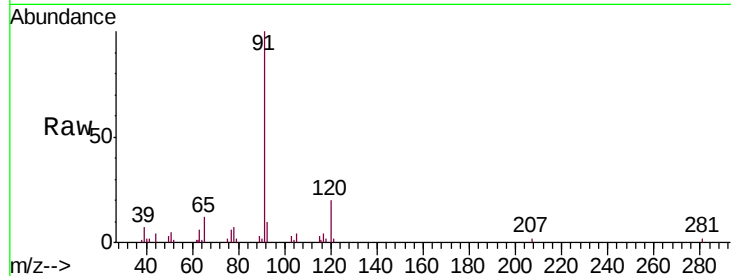




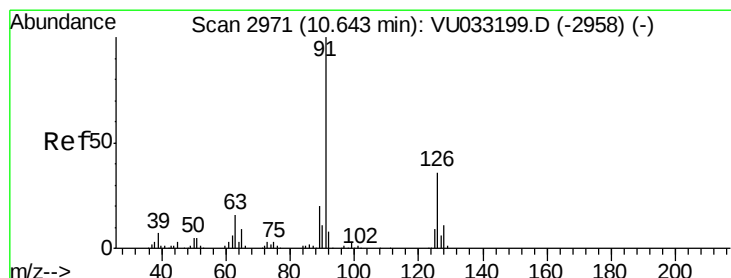
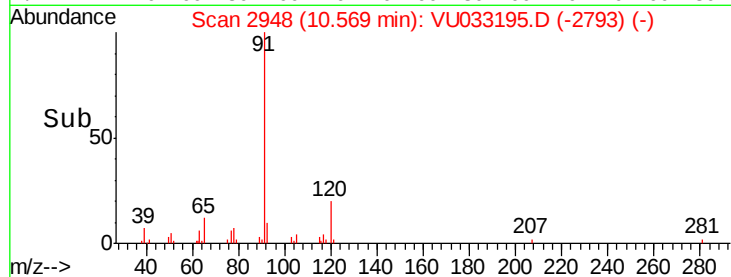
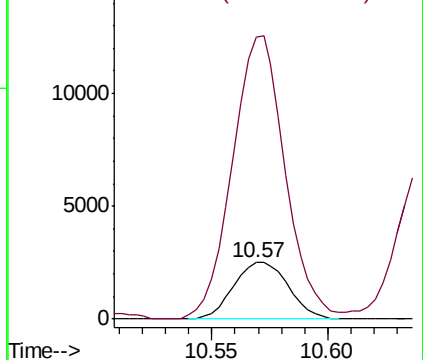
#73
n-propylbenzene
Concen: 0.379 ug/l
RT: 10.57 min Scan# 2948
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:120 Resp: 4121
Ion Ratio Lower Upper
120 100
91 481.0 349.0 523.4

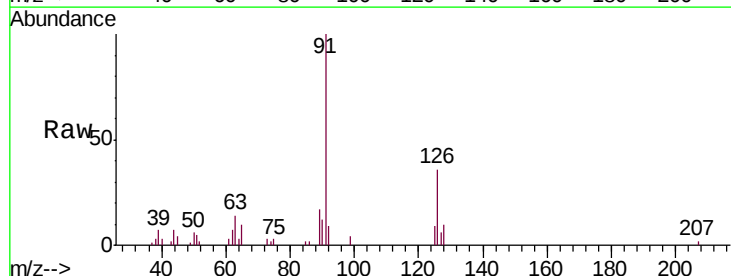


Abundance Ion 120.00 (119.70 to 120.70): V
Ion 91.00 (90.70 to 91.70): VU0

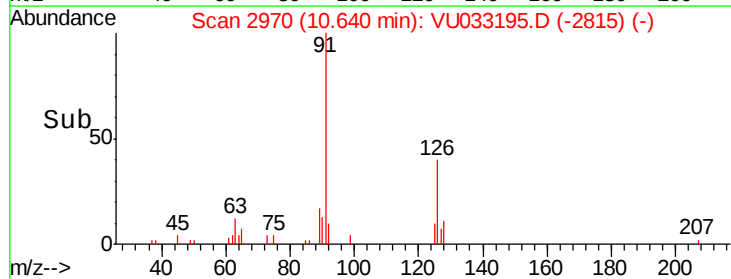
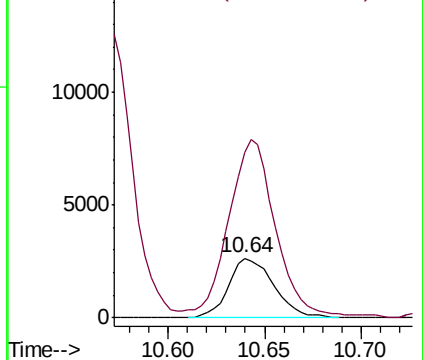


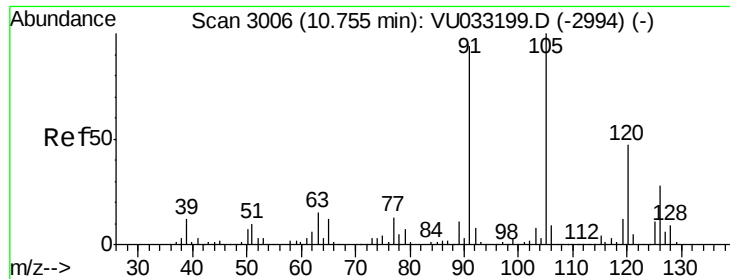
#74
2-Chlorotoluene
Concen: 0.431 ug/l
RT: 10.64 min Scan# 2970
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:126 Resp: 4285
Ion Ratio Lower Upper
126 100
91 315.0 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.363 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

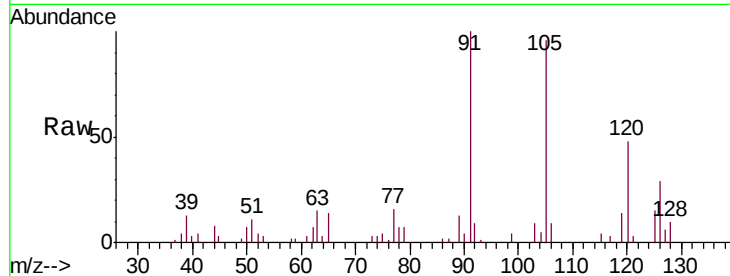
VSTDIC0.5

Tgt Ion:105 Resp: 12588

Ion Ratio Lower Upper

105 100

120 50.5 37.8 56.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.76

8000

6000

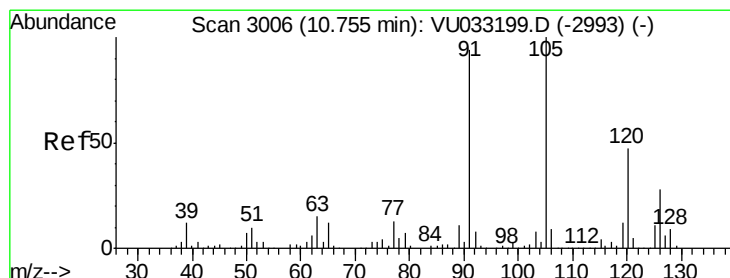
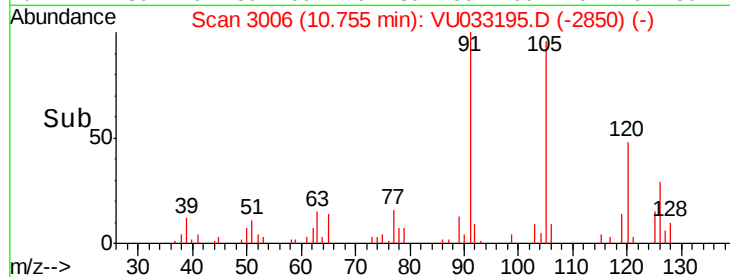
4000

2000

0

10.70 10.75 10.80

Time-->



#76

4-Chlorotoluene

Concen: 0.391 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033195.D

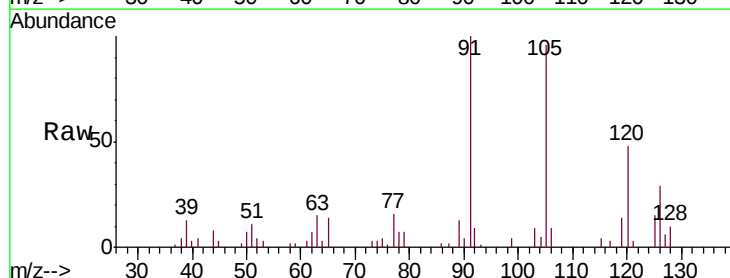
Acq: 11 Jul 2019 16:26

Tgt Ion:126 Resp: 4082

Ion Ratio Lower Upper

126 100

91 348.6 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.76

8000

6000

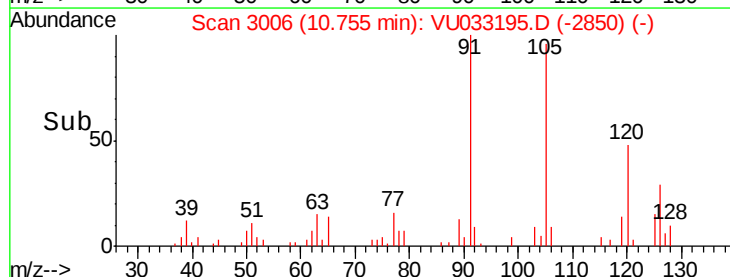
4000

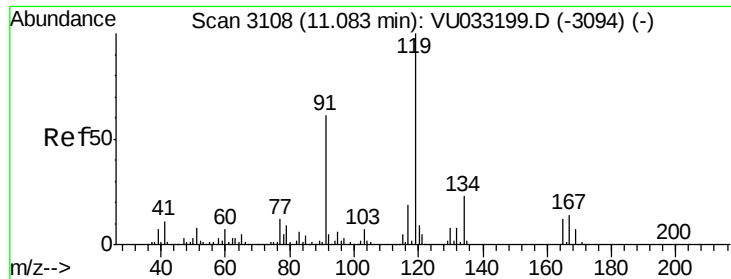
2000

0

10.70 10.75 10.80

Time-->





#77

tert-Butylbenzene

Concen: 0.403 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

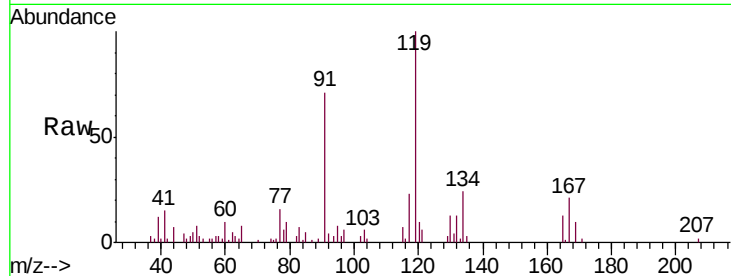
Tgt Ion:119 Resp: 13305

Ion Ratio Lower Upper

119 100

91 67.6 29.8 89.5

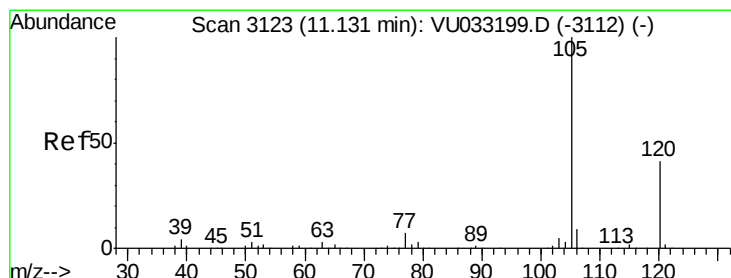
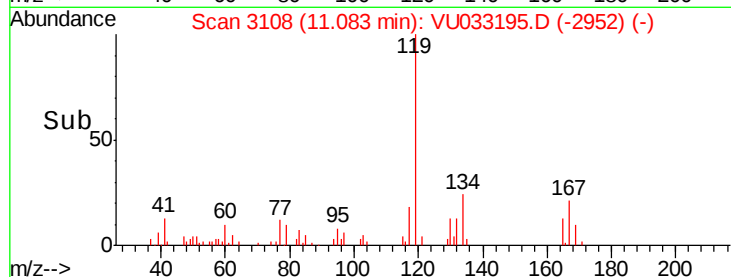
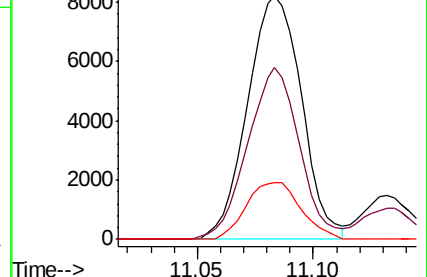
134 23.7 18.2 27.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.369 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VU033195.D

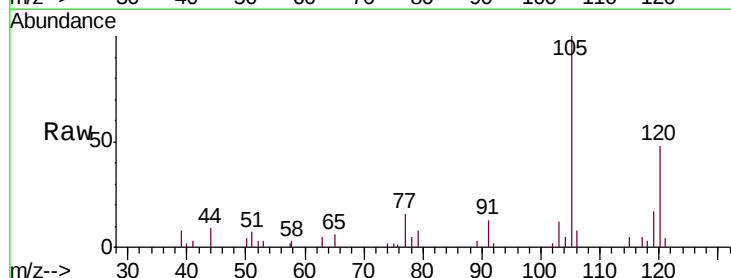
Acq: 11 Jul 2019 16:26

Tgt Ion:105 Resp: 12948

Ion Ratio Lower Upper

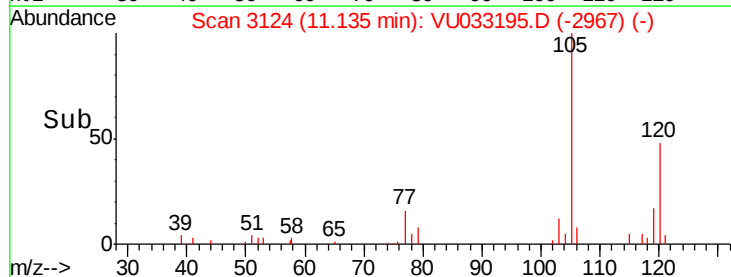
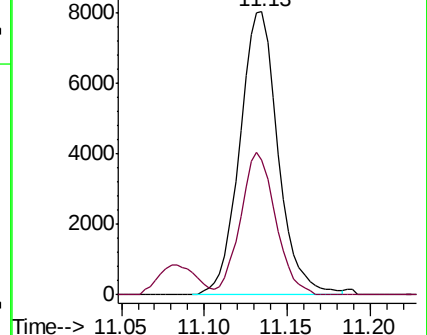
105 100

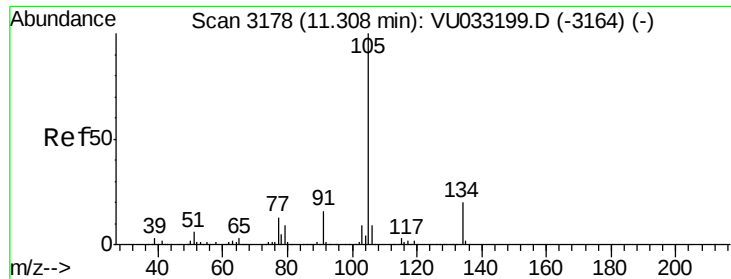
120 46.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

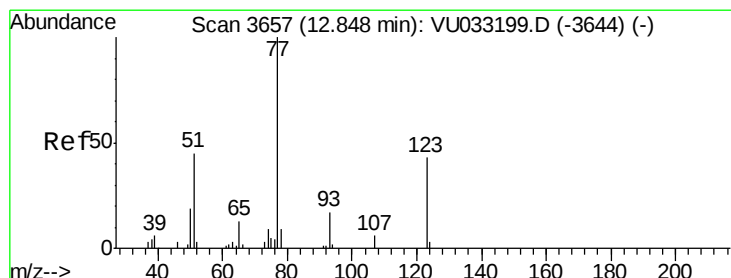
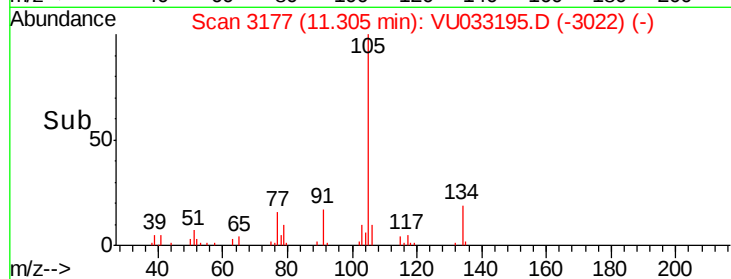
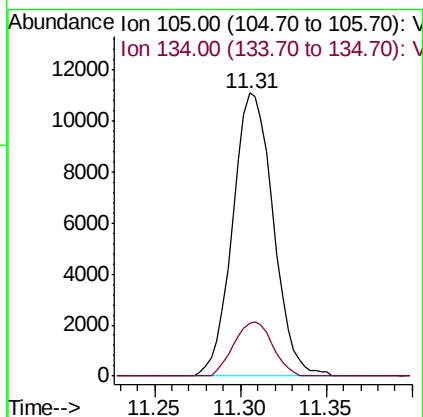
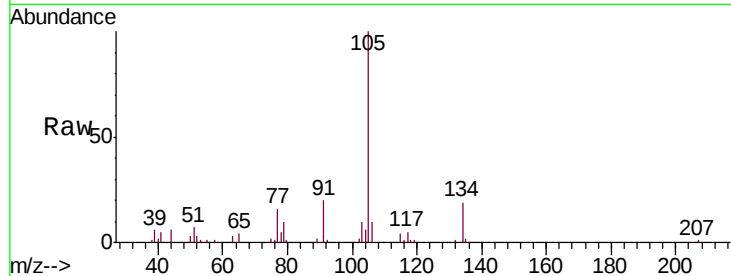




#79
 sec-Butylbenzene
 Concen: 0.404 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

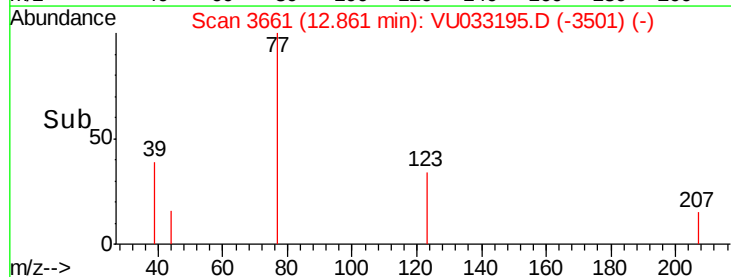
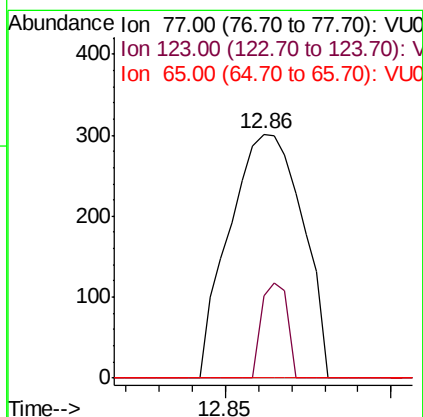
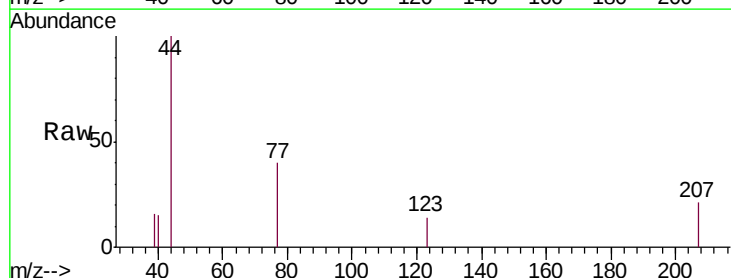
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

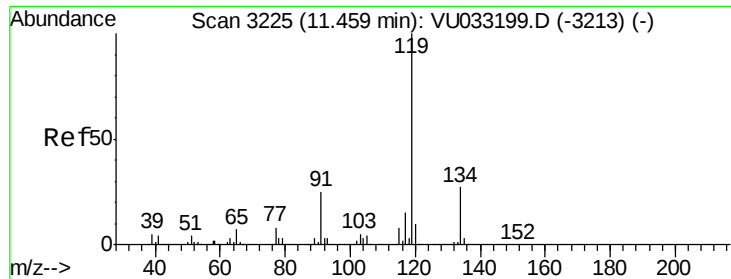
Tgt Ion: 105 Resp: 18237
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.8 23.8



#80
 Nitrobenzene
 Concen: 1.904 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. 0.01 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 77 Resp: 460
 Ion Ratio Lower Upper
 77 100
 123 13.7 20.9 74.1#
 65 0.0 10.7 13.7#

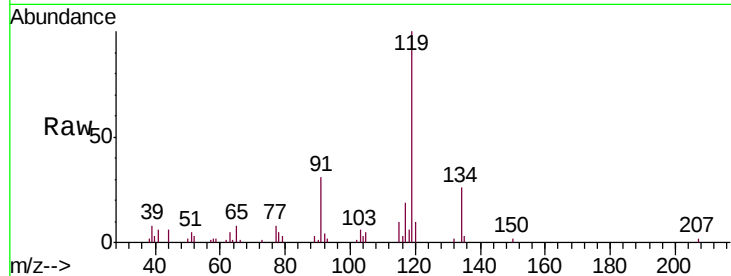




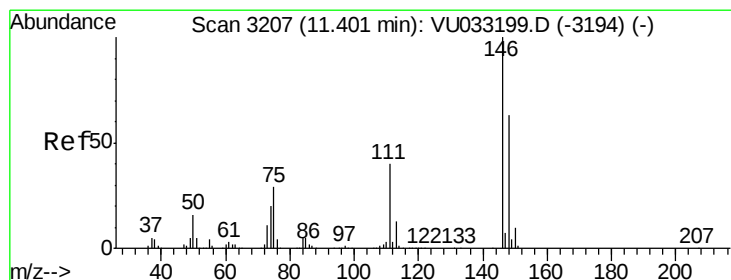
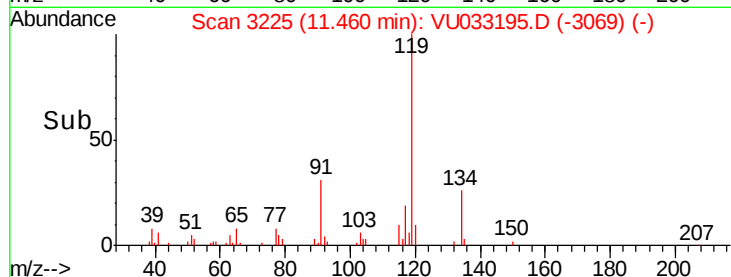
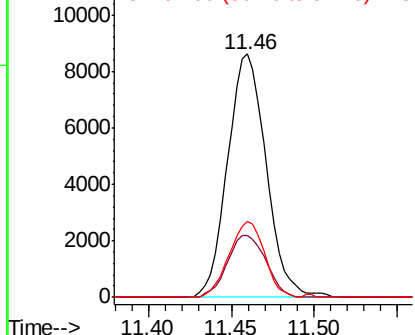
#81
p-Isopropyltoluene
Concen: 0.382 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 13902
Ion Ratio Lower Upper
119 100
134 25.4 21.1 31.7
91 28.6 19.7 29.5

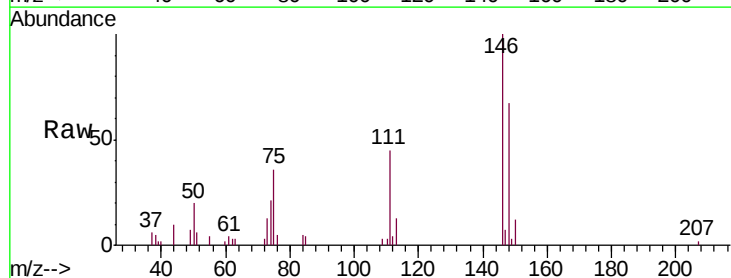


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

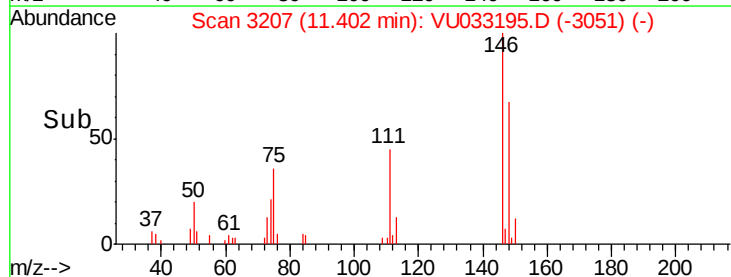
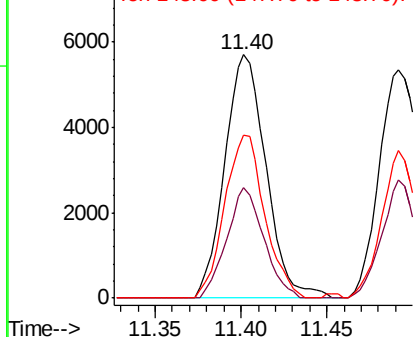


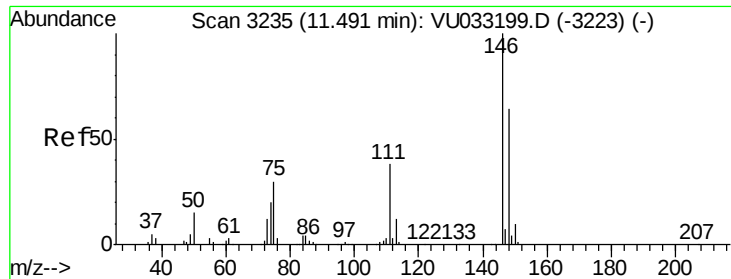
#82
1,3-Dichlorobenzene
Concen: 0.454 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:146 Resp: 9523
Ion Ratio Lower Upper
146 100
111 40.4 32.2 48.4
148 64.7 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

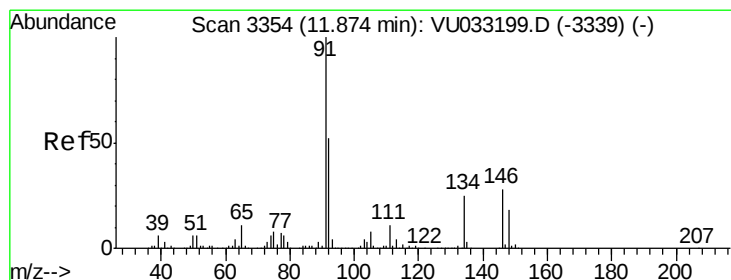
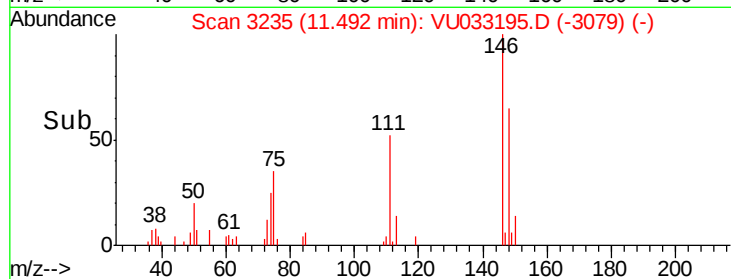
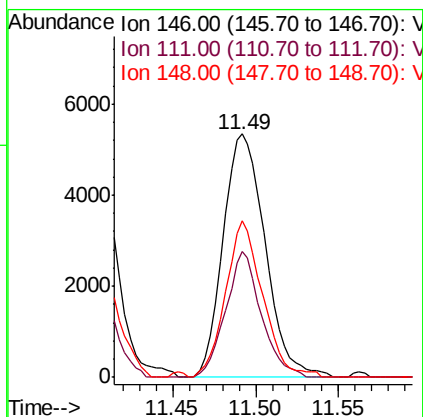
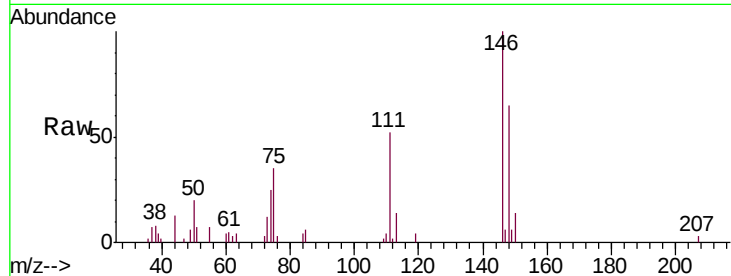




#83
 1,4-Dichlorobenzene
 Concen: 0.455 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

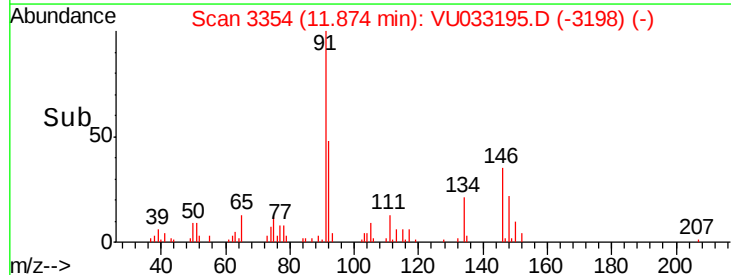
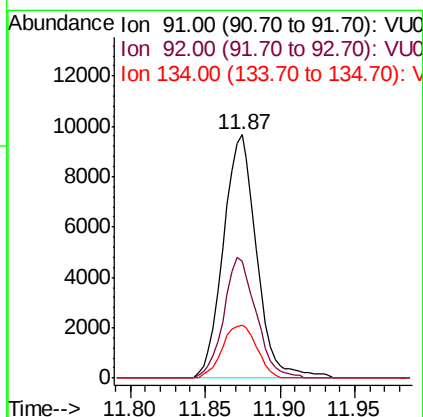
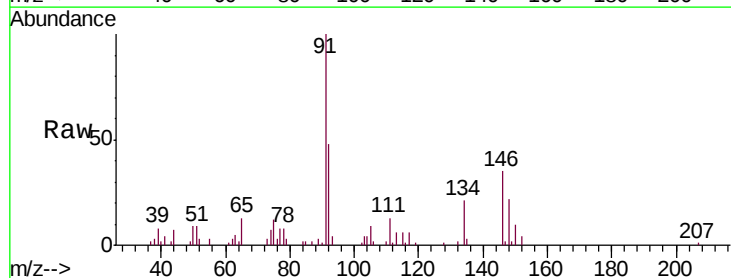
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

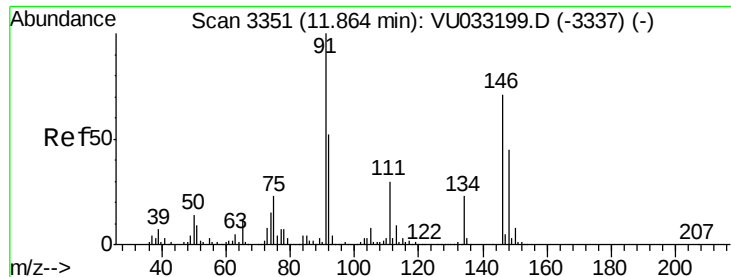
Tgt Ion: 146 Resp: 9412
 Ion Ratio Lower Upper
 146 100
 111 44.0 30.8 46.2
 148 57.1 50.6 76.0



#84
 n-Butylbenzene
 Concen: 0.421 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion: 91 Resp: 14948
 Ion Ratio Lower Upper
 91 100
 92 48.3 41.5 62.3
 134 22.3 19.6 29.4





#85

1,2-Dichlorobenzene

Concen: 0.475 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

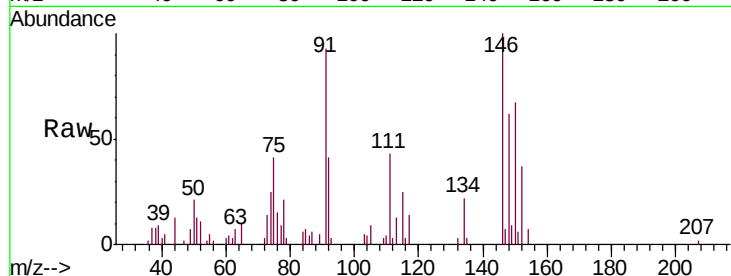
Tgt Ion:146 Resp: 9220

Ion Ratio Lower Upper

146 100

111 44.1 21.3 63.7

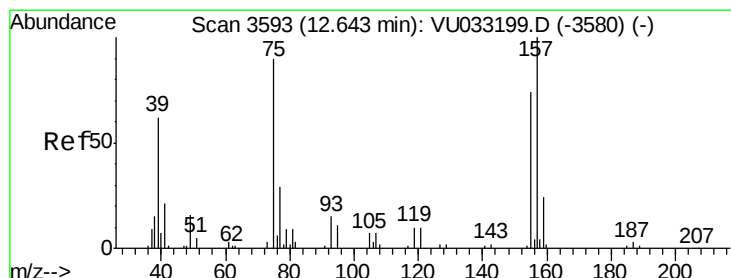
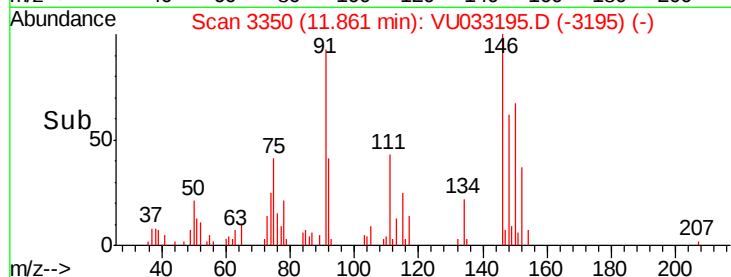
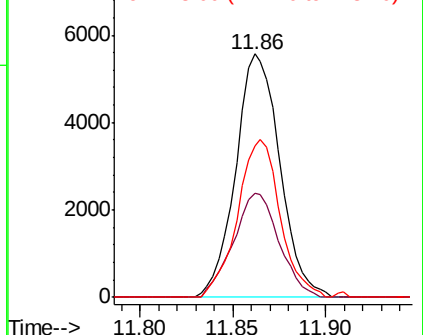
148 62.4 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.485 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

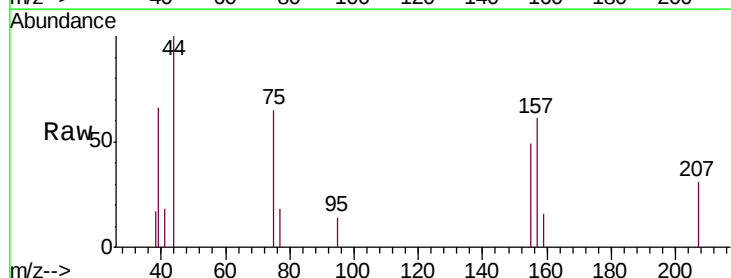
Tgt Ion: 75 Resp: 731

Ion Ratio Lower Upper

75 100

155 60.2 60.6 90.8#

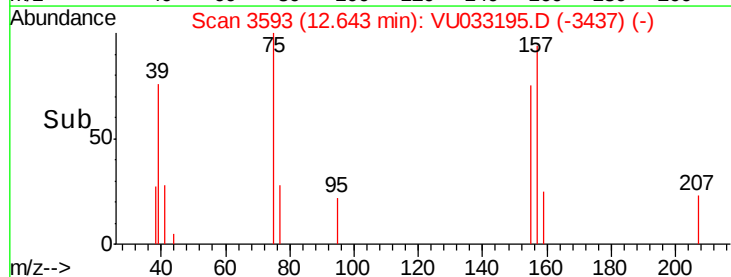
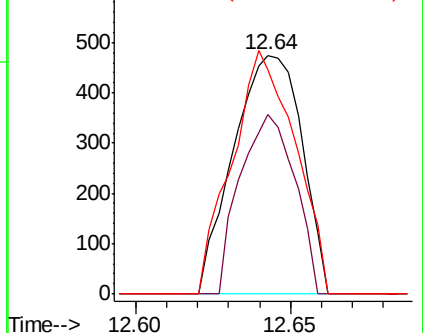
157 94.4 82.5 123.7

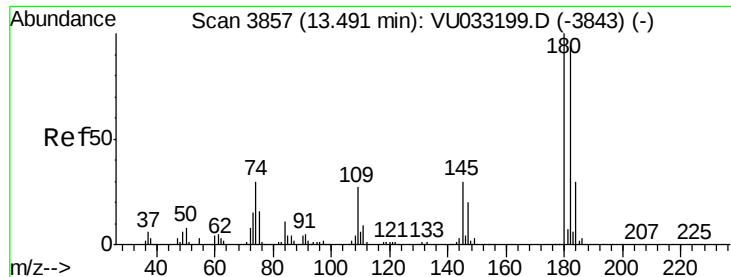


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#87

1,2,4-Trichlorobenzene

Concen: 0.476 ug/l

RT: 13.49 min Scan# 3856

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

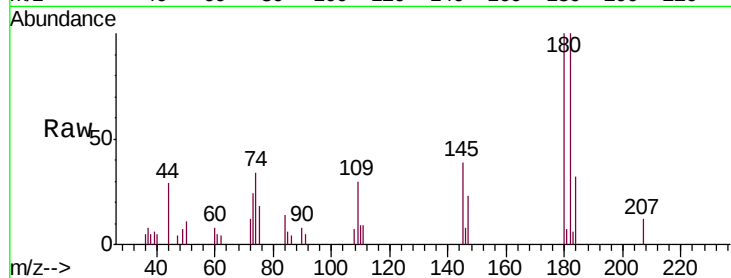
Tgt Ion:180 Resp: 5090

Ion Ratio Lower Upper

180 100

182 100.0 75.4 113.2

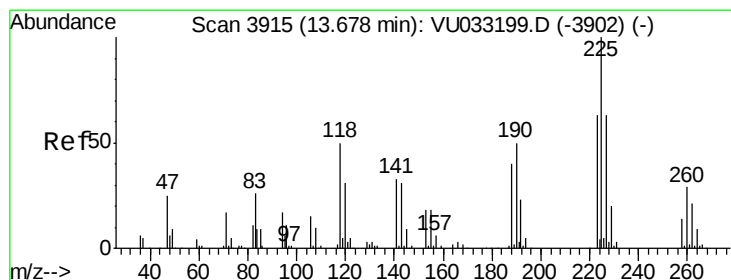
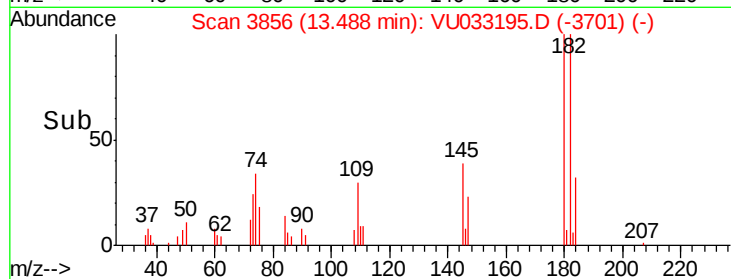
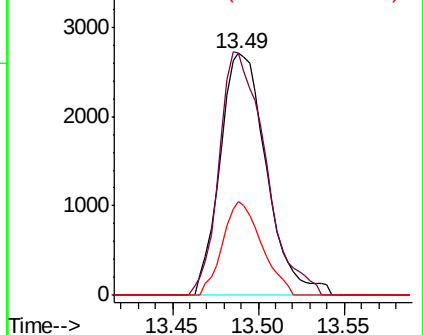
145 32.4 24.5 36.7



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 0.495 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

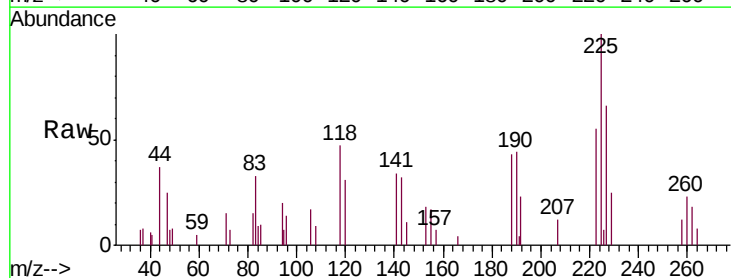
Tgt Ion:225 Resp: 3434

Ion Ratio Lower Upper

225 100

223 60.8 51.1 76.7

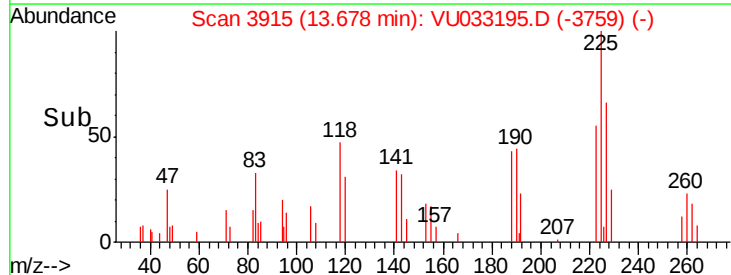
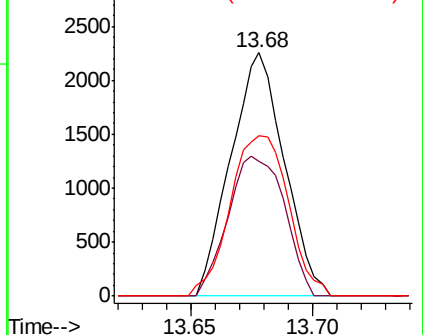
227 71.7 51.2 76.8

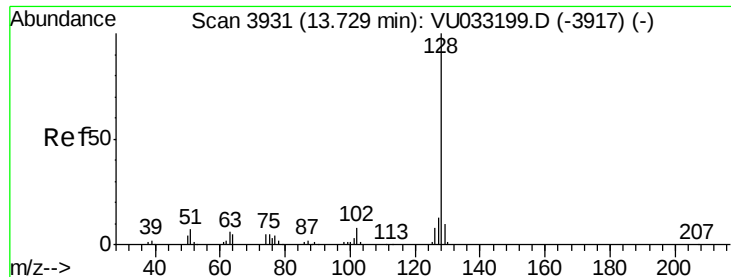


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.478 ug/l

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

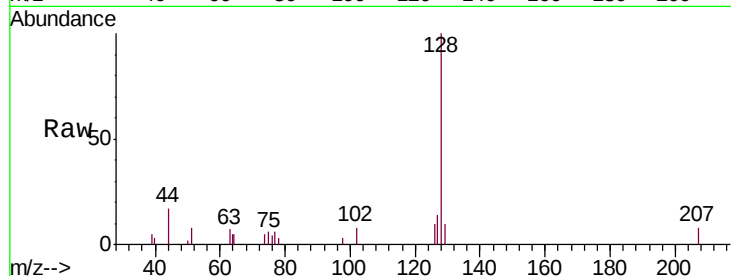
Tgt Ion:128 Resp: 8580

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

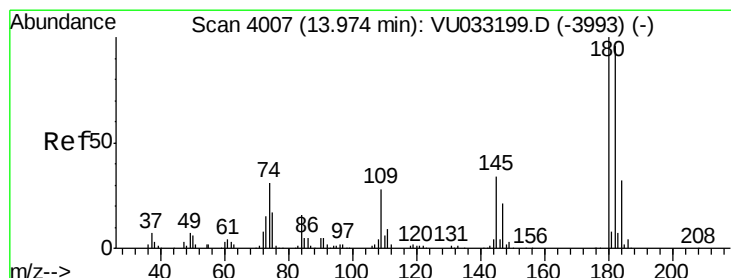
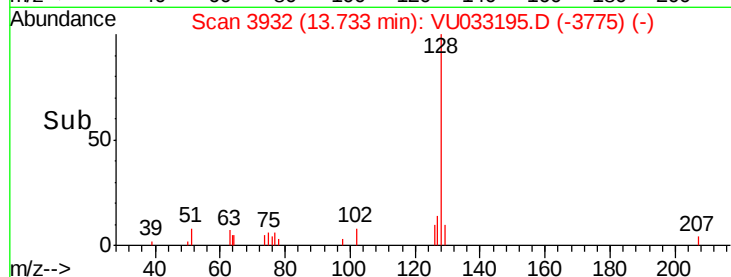
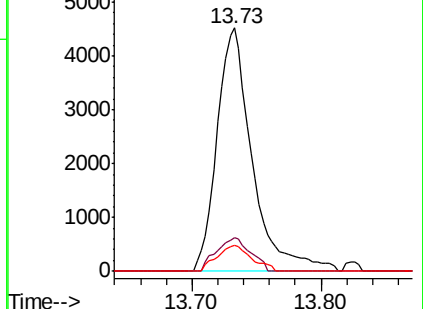
129 10.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.484 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

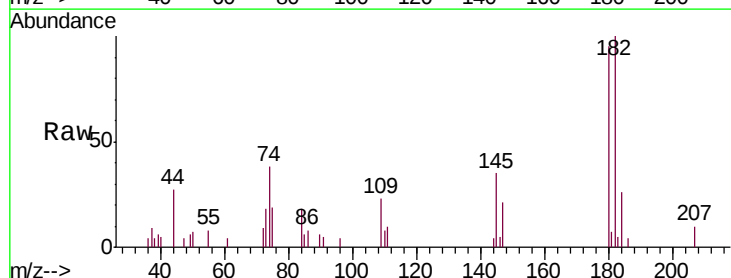
Tgt Ion:180 Resp: 5038

Ion Ratio Lower Upper

180 100

182 97.8 76.2 114.4

145 29.9 26.6 40.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

